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# SECTION 1.

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Occupational Injury and Illness Classification Manual
12/92
1.0 Introduction to the Occupational Injury and Illness Classification Manual

The Occupational Injury and Illness Classification Manual (OI&ICM) provides a classification system for use in coding the case characteristics of injuries and illnesses in the Occupational Safety and Health (OSH) program and the Census of Fatal Occupational Injuries (CFOI) program. This manual contains the rules of selection, code descriptions, code titles, and indices, for the following code structures: Nature of Injury or Illness, Part of Body Affected, Source of Injury or Illness, Event or Exposure, and Secondary Source of Injury or Illness.

The Occupational Injury and Illness Classification Manual was developed by the Bureau of Labor Statistics' Classification Structure Team with input from data users and States participating in the BLS Occupational Safety and Health (OSH) Federal/State cooperative programs.

The Occupational Injury and Illness Classification System contains the following code structures to be used in coding the case characteristics of occupational injuries and illnesses in the OSH and CFOI statistical programs:

- Nature of Injury or Illness
- Part of Body Affected
- Source of Injury or Illness/Secondary Source of Injury or Illness
- Event or Exposure

The OI&ICM is arranged in a structured format so that any section of the manual may be removed for use independently as required by the user. This also allows future updates to be made without having to replace the whole manual.

This manual is designed to accommodate the coder of injury, illness, and fatality data provided by the OSH and CFOI programs. Therefore, this manual is a reference tool that enables the coder to determine the proper Nature, Part of Body Affected, Source, Event, and Secondary Source code for any given injury or illness case in an accurate and timely manner.

Each code structure in this manual is presented with and without the code descriptions. The code descriptions provide more detail about the codes themselves. The descriptions are extremely useful in determining the make-up of the code categories--the kind of information that each code is trying to capture. The description often gives examples of the codes that would be selected for rare and unusual injury and illness cases.

After becoming familiar with the code descriptions, the coder will find the code titles and the alpha indices at the end of the manual to be helpful in expediting the coding process.

Exhibit 1.0 gives an overview of the Occupational Injury and Illness Classification Manual.
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• Table of Contents
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SECTION 2
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SECTION 3
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SECTION CONTENTS

2.1 Nature of Injury or Illness
2.2 Part of Body Affected
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SECTION 2.1

Nature
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2.1.1 Nature of Injury or Illness—Definition, Rules of Selection

The nature of injury or illness identifies the principal physical characteristic(s) of the injury or illness.

1.0 DEFINITION

The nature of injury or illness identifies the principal physical characteristic(s) of the injury or illness.

RULES OF SELECTION:

1.1 Name the injury or illness indicated on the source document. Example: For strained back, choose Sprains, strains, tears.

1.2 When two or more injuries or illnesses are indicated, and one is a sequela, aftereffect, or complication due to medical treatment, choose the initial injury or illness. Example: If a laceration became infected developing into septicemia, choose Cuts, lacerations.

1.3 When two or more injuries or illnesses are indicated and one is more severe than the other(s), select the more severe injury or illness. Example: If sprained finger and fractured wrist, choose Fractures.

1.3.1 When a single event or exposure produces an injury and transmits a disease simultaneously, and one is more severe than the other(s), select the more severe injury or disease. Example: If a needle stick produces a puncture wound and transmits an infectious disease, serum hepatitis, choose serum hepatitis.

1.4 When two or more injuries or illnesses are indicated but no one can be determined as being more severe than the others, select the appropriate multiple injuries or illnesses classification code. Example: For fractured and burned left leg, choose Fractures and burns.
2.1.2 Nature of Injury or Illness--Titles and Descriptions

The Nature of Injury or Illness code structure is arranged so that traumatic injuries and disorders are listed first (in Division 0) while diseases are listed in Divisions 1 through 8. Division 8 classifies multiple physical characteristics whose individual codes are found in Divisions 1 through 5.

Nature of Injury or Illness code description pages are numbered from DN-1 through DN-40 (the "D" meaning "description, the "N" meaning "nature").

The divisions are identified by title at the top right corner of each page.

The Nature of Injury or Illness divisions are arranged as follows:

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0* TRAUMATIC INJURIES AND DISORDERS

This division classifies traumatic injuries and disorders, effects of external agents, and poisoning. Generally, a traumatic injury or disorder is the result of a single incident, event, or exposure.

00 Traumatic injuries and disorders, unspecified

This major group classifies traumatic injuries and disorders when the only information available describes the incident as traumatic. For example, employee was hurt in car accident.

01* Traumatic injuries to bones, nerves, spinal cord

This major group classifies traumatic injuries to the bones, nerves, or spinal cord which include breaking and dislocating bones and cartilage and traumatic injury to the brain, spinal cord, and nerves.

010 Traumatic injuries to bones, nerves, spinal cord, unspecified

011 Dislocations

This nature group classifies displacement or dislocation of bone or cartilage.

Includes: subluxations; slipped, ruptured, or herniated disc; partial displacement; and fractured or broken cartilage

012 Fractures

This nature group classifies traumatic injuries that result in fractures of bones or teeth.

Includes: closed fractures for which no open wound exists; open fractures for which there is an accompanying open wound; comminuted, compound, depressed, elevated, fissured, greenstick, impacted, linear, march, simple, and spiral fracture; and slipped epiphysis.

Excludes: fatal fracture of the back (018), neck (018), rib (094), or skull (068); fracture of cartilage (011); malunion (17); nonunion (17); pathological or spontaneous fracture (17)

013 Traumatic injuries to spinal cord

This nature group classifies traumatic injuries to the spinal cord.

Includes: severed spinal cord, nonfatal severed spinal cord resulting from a gunshot wound, traumatic transient paralysis, anterior cord syndrome, lesion of spinal cord, and central cord syndrome

Excludes: spinal bone injury (011, 012, or 018)

014 Traumatic injuries to nerves, except the spinal cord

This nature group classifies traumatic injuries to nerves other than the spinal cord. Cranial nerves, peripheral nerve of the shoulder or pelvic girdle, and nerves of the limb are possible locations for injuries in this nature group. Diseases or disorders of the nervous system that occur over time as a result of repetitive activity, such as carpal tunnel syndrome, are classified in major group 12.

Includes: division of nerve, lesion in continuity, traumatic neuroma,

Excludes: diseases or disorders affecting the nervous system (12), diseases or disorders affecting the sense organs (12), carpal tunnel syndrome (1241), hearing loss (1261), loss of vision (1255), traumatic transient paralysis (013), and severed spinal cord (013)

*-Asterisks indicate division, major group, or group titles
018 Multiple traumatic injuries to bones, nerves, spinal cord

This nature group classifies multiple injuries and disorders of equal severity within Traumatic injuries to bones, nerves, spinal cord, major group 01.

019 Traumatic injuries to bones, nerves, spinal cord, n.e.c.

02* Traumatic injuries to muscles, tendons, ligaments, joints, etc.

This major group classifies traumatic injuries that affect the muscles, tendons, ligaments or joints.

Excludes: Joint fractures (012), cartilage fracture (011)

020 Traumatic injuries to muscles, tendons, ligaments, joints, etc., unspecified

021 Sprains, strains, tears

This nature group classifies cases of sprains and strains of muscles, joints tendons, and ligaments. Diseases or disorders affecting the musculoskeletal system, including tendonitis and bursitis, which generally occur over time as a result of repetitive activity should be coded in Musculoskeletal system and connective tissue diseases and disorders, major group 17

Includes: avulsion, hemorrhatosis, "pull", rupture, strain, sprain, or tear of joint capsule, ligament, muscle, or tendon

Excludes: hernia (153), lacerations of tendons in open wounds (034), torn cartilage (011)

029 Injuries to muscles, tendons, ligaments, joints, etc., n.e.c.

This nature group classifies injuries to muscles, tendons, ligaments, etc. that are not classified elsewhere in this major group.

03* Open wounds

This major group classifies traumatic injuries involving open wounds--broken skin or outward opening, beyond the superficial skin surface.

Excludes: abrasions and scratches (041), burns (05)

030 Open wounds, unspecified

031* Amputations

This nature group classifies the traumatic loss of a limb or other external body part. For an injury to be classified in this nature group, bone must be lost.

Includes: nonfatal amputations resulting from a gunshot wound, medical amputations due to irreparable traumatic injuries

Excludes: traumatic injury without bone loss (033), enucleation--eye removal (035)

0311 Amputations, fingertip

0319 Amputations, except fingertip

-Asterisks indicate division, major group, or group titles
Animal or insect bites

This nature group classifies nonvenomous traumatic injuries sustained from an animal or insect bite, such as human, snake, dog and rodent bites.

If an animal or insect bite simultaneously produces a parasitic or infectious disease or disorder select a code within Infectious and Parasitic Diseases, Division 2. If the manifestations of the animal or insect bite are the result of the venom or poison, select code 0951.

Avulsions

This nature group classifies traumatic injuries involve the ripping or tearing away of a body part or a nerve, such as the severing of the tip of the toe without bone loss.

Includes: injury without bone loss, loss of fingertip without bone loss

Excludes: amputation (031), avulsion of joint capsule, ligament, muscle or tendon (021)

Cuts, lacerations

This nature group classifies traumatic removal of an organ, such as an eyeball, in its entirety.

Gunshot wounds

This nature group classifies all gunshot wounds regardless of severity or location, except when a nonfatal amputation, paralysis, or nonfatal severed spine results.

Punctures, except bites

This nature group classifies traumatic injuries that are the result of piercing or puncturing the body surface.

Includes: embedded foreign body, stab wounds, and impaling wounds

Excludes: animal or insect bites (032, 0951)

Multiple open wounds

This nature group classifies multiple injuries and disorders of equal severity within Open wounds, major group 03.

Open wounds, n.e.c.

Surface wounds and bruises

This major group classifies traumatic bruises and other injuries that occur to the surface of the body and generally do not involve open wounds.

Surface wounds and bruises, unspecified

Abrasions, scratches

This nature group classifies traumatic injuries where the skin, mucous membrane, or superficial epithelium have been removed or marked, usually as a result of rubbing, scratching, or scraping.
042  **Blisters**

This nature group classifies the localized collection of fluid in the epidermis associated with friction or impact.

*Includes:* blood blisters and friction blisters

*Excludes:* blisters associated with burns (045, 05), allergic reaction, or those associated with other diseases, disorders, or injuries

043  **Bruises, contusions**

This nature group classifies injuries that produce capillary hemorrhaging with the skin remaining intact.

*Includes:* hematoma, black eye

*Excludes:* concussion (062), hemorrhrosis (021), nontraumatic cerebral hemorrhage (136), traumatic cerebral hemorrhage (061)

044  **Foreign bodies (superficial splinters, chips)**

*Includes:* foreign body without mention of penetration depth

*Excludes:* embedded foreign body (037)

045  **Friction burns**

*Excludes:* chemical burns (051) electrical burns (052), heat burns (053), scalds (053), and unspecified burns (050)

048  **Multiple surface wounds and bruises**

This nature group classifies multiple injuries and disorders of equal severity within **Surface wounds and bruises**, major group 04.

049  **Surface wounds and bruises, n.e.c.**

05*  **Burns**

This major group classifies burns (tissue damage) resulting from a variety of sources including heat, flame, hot substance, lightning, radiation, the corrosive action of chemicals, chemical compounds or fumes, heat, extremely cold objects, and electricity.

*Includes:* first, second, and third degree burns, lightning burns(052), radiation burns (059)

*Excludes:* friction burns (045), frostbite (0711), sunburn (1839), and welder's flash (1256)

050  **Burns, unspecified**

051  **Chemical burns**

052  **Electrical burns**

053  **Heat burns, scalds**

058  **Multiple burns**

059  **Burns, n.e.c.**
06* Intracranial injuries

This major group classifies traumatic injuries to the cranium or skull and the structures within.

Includes: cerebral hemorrhage with no mention of an underlying cause (061), crushed head (060), fatal skull fractures (068), nonspecific crushing injuries to the head (060)

Excludes: cerebral hemorrhage or strokes resulting from cerebrovascular disease (136), cerebrovascular disease (136), intracranial nerve damage (014), nondescript loss of consciousness (4111), nonfatal skull fractures (012)

060 Intracranial injuries, unspecified
061 Cerebral hemorrhages
062 Concussions
068 Multiple intracranial injuries
069 Intracranial injuries, n.e.c.

07* Effects of environmental conditions

This major group classifies injuries or disorders that are a result of adverse environmental conditions.

Includes: effects of reduced temperature, general heat, light, and air pressure.

Excludes: injuries or disorders associated with fire or flame

070 Effects of environmental conditions, unspecified
071 Effects of reduced temperature

This nature group classifies injuries or disorders resulting from abnormally reduced body temperature which affects body tissues, or the functioning of the central nervous system, circulatory system, or the endocrine system.

Includes: chilblains (0719), erythema pernio (0719), and perniosis (0719)

Excludes: burns from extremely cold objects (059)

0710 Effects of reduced temperature, unspecified
0711 Frostbite
0712 Hypothermia
0713 Trench foot
0718 Multiple effects of reduced temperature
0719 Effects of reduced temperature, n.e.c.

072* Effects of heat and light

This nature group classifies injuries or disorders caused by the effects of heat and light.

Includes: heat apoplexy (0721), heat exhaustion (0729), heat pyrexia (0721), ictus solaris (0721), loss of consciousness associated with heat (0722), siriasis (0721), sunstroke (0721), and thermoplegia (0721)

Excludes: loss of consciousness without reference to heat (4111), sunburn (1839), heat burns (053)

*-Asterisks indicate division, major group, or group titles
0720 Effects of heat and light, unspecified
0721 Heat stroke
0722 Heat syncope
0723 Heat fatigue
0724 Heat edema
0728 Multiple effects of heat and light
0729 Effects of heat and light, n.e.c.

073* Effects of air pressure

This nature group classifies injuries or disorders resulting from effects of high, low, or changes in air pressure. Included are effects of high altitude or compressed air.

Includes: barosinusitis (0732), barotitis (0731), otitic barotrauma (0731), and sinus barotrauma (0732)

0730 Effects of air pressure, unspecified
0731 Aero-otitis media
0732 Aerosinusitis
0733 Caisson disease, bends, divers' palsy
0738 Multiple effects of air pressure
0739 Effects of air pressure, n.e.c.

078 Multiple effects of environmental conditions
079 Effects of environmental conditions, n.e.c.

08* Multiple traumatic injuries and disorders

This major group classifies combinations of multiple traumatic injuries or disorders from more than one subgroup within this division. For example, an incident which involved a burn and a fracture, of equal severity, would be coded as 083. Combinations involving equally severe cuts and bruises, cuts and abrasions, or cuts, abrasions, and bruises are included in 081.

Excludes: abrasions and bruises of equal severity (048)

080 Multiple traumatic injuries and disorders, unspecified
081 Cuts, abrasions, bruises
082 Sprains and bruises
083 Fractures and burns
084 Fractures and other injuries
085 Burns and other injuries
086 Intracranial injuries and injuries to internal organs
089 Other combinations of traumatic injuries and disorders, n.e.c.

09* Other traumatic injuries and disorders

This major group classifies other traumatic injuries or disorders that are not assigned to the other major groups in Division 0.

090 Other traumatic injuries and disorders, unspecified

This nature group classifies traumatic injuries or disorders that can be identified as belonging in codes 091-099, but not enough information is available to determine which code.
091 Asphyxiations/strangulations, suffocations

This nature group classifies fatal and nonfatal injuries that involve the lack of oxygen, stopping of the respiration process, or obstruction to breathing.

Includes: inhaling or choking on food or other substances, and traumatic asphyxiations

Excludes: drownings (092), strangulated hernia (153), and asphyxia from gas fumes and vapors (0959)

092 Drownings

This nature group classifies fatal suffocations as a result of submersion in liquid, especially in water.

093 Electrocutions, electric shocks

This nature group classifies fatal and nonfatal traumatic injuries that result from contact with electric current.

Excludes: electrical burns (052)

094 Internal injuries to organs and blood vessels of the trunk

This nature group classifies traumatic injuries that involve internal organs or the blood vessels which are not classified in any other major group throughout the nature of injury or illness structure.

Includes: arterial hematoma, internal injuries, traumatic rupturing of blood vessels, fatal crushing injury to trunk--abdomen, chest, or pelvis, and traumatic aneurysm or fistula

Excludes: bruises and contusions (043), blood blisters (042)

095 Other poisonings and toxic effects

This nature group classifies cases of poisoning or the toxic effects resulting from medicinals, drugs, chemicals (venoms), and other substances.

Includes: carbon monoxide poisoning (0959), toxic effects of food contaminants or noxious food stuffs--non-viral and non-bacterial (0959), and lead poisoning (0959)

Excludes: asphyxia from gas, fumes and vapors (0959), parasitic or infectious poisonings (Division 2), animal or insect bites that simultaneously produce a parasitic or infectious disease or disorder (Division 2), other manifestations from animal or insect bites that are not the result of the venom or poison (032), blood poisoning (2197), and radiation poisoning (149)

0950 Other poisonings and toxic effects, unspecified
0951 Animal or insect bites, venomous
0952 Radiation sickness
0959  Other poisonings and toxic effects, n.e.c.

096*  Traumatic complications

This nature group classifies complications peculiar to medical or surgical procedures or certain medical complications following traumatic injuries and should be used only when the circumstances of the initial injury is unknown.

Includes:  anaphylactic shock with no mention of the underlying injury or illness (0961), and unspecified reactions to injections such as tetanus or flu shots (0969)

Excludes:  electric shock (093), lightning shock (093)

0960  Traumatic complications, unspecified
0961  Traumatic shock
0962  Embolism, air or fat
0968  Multiple traumatic complications
0969  Traumatic complications, n.e.c.

097*  Nonspecified injuries and disorders

This nature group classifies nonspecified traumatic injuries and disorders where some description of the manifestation of the trauma is provided and generally where the part of body has been identified. For example sore neck: hurt arm, or pain in shoulder.

Includes:  hurt back (0972), backache (0972), low back pain (0972)

Excludes:  crushing injuries involving internal organs (094), and crushing injuries to the head (06)

0971  Crushing injuries
0972  Back pain, hurt back
0973  Soreness, pain, hurt, except the back
0978  Multiple nonspecified injuries and disorders
0979  Nonspecified injuries and disorders, n.e.c.

099  Other traumatic injuries and disorders, n.e.c.
1* SYSTEMIC DISEASES AND DISORDERS

This division classifies toxic and non-toxic diseases or disorders affecting systems of the body. Diseases or disorders included may affect the whole named body system, or more commonly, affect only a part of the named body systems at the time of diagnosis.

Excludes: traumatic injuries and disorders (Division 0); infectious and parasitic diseases (Division 2); neoplasms, cancers, and tumors (Division 3)

10 Systemic diseases and disorders, unspecified

11* Diseases of the blood and blood forming organs

This major group classifies toxic and non-toxic diseases of the blood and blood forming organs.

Includes: anemias; coagulation defects; purpura and other hemorrhagic conditions; and diseases of white blood cells

Excludes: leukemia (3134)

110 Diseases of the blood and blood forming organs, unspecified

111 Hemolytic anemia--non-autoimmune

This nature group classifies hereditary and acquired non-autoimmune hemolytic anemias.

Includes: enzyme deficiency and hemoglobinuria due to hemolysis from external causes; sickle-cell anemia; thalassemias; and hemolytic-uremic syndrome

112 Aplastic anemia

This nature group classifies aplastic anemias due to drugs, infection, chronic systemic disease, and radiation.

Includes: aplasia, pancytopenia, and toxic (paralytic) anemia

113 Agranulocytosis or neutropenia

This nature group classifies agranulocytosis and neutropenia, diseases of white blood cells.

Includes: Kostmann's syndrome

114 Methemoglobinemia

This nature group classifies toxic or acquired methemoglobinemia, a blood condition which can result in cyanosis.

115 Purpura and other hemorrhagic conditions

This nature group classifies purpura and other hemorrhagic conditions which may be caused by various factors including blood disorders, vascular abnormalities, and trauma.

Includes: allergic purpura, Evan's syndrome, qualitative platelet defects, thrombasthenia, thrombocytasthenia, and thrombocytopenia

119 Diseases of blood and blood forming organs, n.e.c.

This nature group classifies diseases of the blood and blood forming organs that are not classified in any other nature group within major group 11.

Includes: polycythemia, and chronic lymphadenitis

12* Nervous system and sense organs diseases

*-Asterisks indicate division, major group, or group titles
This major group classifies inflammatory, degenerative and other disorders of the central and peripheral nervous system. Also classified are disorders of the sense organs of sight and hearing.

120  Nervous system and sense organs diseases, unspecified
121* Inflammatory diseases of the central nervous system

This nature group classifies inflammatory diseases or disorders of the nerves and ganglia of the brain and spinal cord.

*Includes: meningoitis (1212) and encephalitis (1211) due to viral, bacterial, fungal and other organisms, and toxic chemicals; intracranial and intraspinal abscess (1219); and phlebitis and thrombophlebitis of intracranial venous sinuses (1219)

*Excludes: traumatic injuries or disorders affecting the central nervous system (01), and traumatic intracranial injuries (06)

1210  Inflammatory diseases of the central nervous system, unspecified
1211  Encephalitis
1212  Meningitis
1219  Inflammatory diseases of the central nervous system, n.e.c.

122* Degenerative diseases of the central nervous system

This nature group classifies degenerative diseases of the central nervous system.

*Includes: cerebellar ataxia (1221), other spinocerebellar disease (1229), vascular myelopathies (1229) and other myelopathies of the spinal cord (1229); Reye's syndrome (1222), Parkinson's disease (1229) spinocerebellar disease (1229); and anterior horn cell disease (1229)

*Excludes: traumatic injuries or disorders affecting the central nervous system (01), and traumatic intracranial injuries (06)

1220  Degenerative diseases of the central nervous system, unspecified
1221  Cerebellar ataxia
1222  Reye's syndrome
1229  Degenerative diseases of the central nervous system, n.e.c.

123* Other disorders of the central nervous system

This nature group classifies demyelinating diseases and paralytic syndromes of the central nervous system.

*Includes: epilepsy (1239), multiple sclerosis (1239), and paralytic syndromes without additional information (1239)

*Excludes: traumatic injuries or disorders affecting the central nervous system (01), and traumatic intracranial injuries (06)

1230  Other disorders of the central nervous system, unspecified
1231  Anoxic brain damage
1232  Migraine
1239  Other disorders of the central nervous system, n.e.c.

*-Asterisks indicate division, major group, or group titles
124* Disorders of the peripheral nervous system

This nature group classifies disorders of the peripheral nervous system which includes the nerves and ganglia located outside the brain and spinal cord.

Includes: Bell's palsy (1249), carpal tunnel syndrome (1241), tarsal tunnel syndrome (1249); other mononeuritis of the extremities (1249), nontraumatic lesion of the median, ulnar and radial nerves (1249), muscular dystrophies (1249)

Excludes: traumatic injury affecting the peripheral nervous system (014)

1240 Disorders of the peripheral nervous system, unspecified
1241 Carpal tunnel syndrome
1242 Inflammatory and toxic neuropathy, toxic polyneuropathy
1243 Toxic myoneural disorders
1249 Other disorders of the peripheral nervous system, n.e.c.

125* Disorders of the eye, adnexa, vision

This nature group classifies disorders of the eye, adnexa, and vision.

Includes: disorders of the globe of the eye; nontraumatic retinal detachments (1259); chorioretinal inflammations (1253); disorders of choroid (1259); disorders of the iris and ciliary body (1259); glaucoma (1257); cataracts (1254); nontraumatic visual disturbances (1258); keratitis (1253); disorders of the eyelids, lacrimal system, and other parts of the eye (1259); nonspecific conjunctivitis (1252); traumatic and nontraumatic loss of vision (1255); and ultraviolet keratoconjunctivitis (1259)

Excludes: traumatic injuries occurring to the eye and adnexa of the eye (Division 0); foreign body in eye (044); chemical burns to the eye (051); viral conjunctivitis (2262); and eye strain (4123)

1250 Disorders of the eye, adnexa, vision, unspecified
1251 Solar retinopathy
1252 Conjunctivitis--non-viral
1253 Inflammation except conjunctivitis (including ophthalmia, iritis, chalazion)
1254 Cataract
1255 Blindness, low vision
1256 Welder's flash
1257 Glaucoma
1258 Visual disturbances
1259 Disorders of the eye, adnexa, vision, n.e.c.

126* Disorders of the ear, mastoid process, hearing

This major group classifies diseases and disorders of the external, middle and inner ear; disorders of tympanic membrane; disorders of the vestibular system; Eustachian tube disorders, and of the mastoid process.

Includes: mastoiditis (1264), otitis externa (1269), otitis media (1265), otosclerosis (1269), and hearing loss sustained from sudden or repeated noise (1261), traumatic and nontraumatic hearing loss (1261)

Excludes: aero-otitis media (0731), and earache without further description (4122)
1260 Disorders of the ear, mastoid process, hearing, unspecified
1261 Deafness, hearing loss or impairment
1262 Tinnitus
1263 Otalgia
1264 Mastoiditis
1265 Otitis media (except aero-)
1269 Disorders of ear, mastoid process, and hearing, n.e.c.

129 Nervous system and sense organs diseases, n.e.c.

This nature group classifies diseases of the nervous system and sense organs that are not classified by any other code within major group 12.

13* Circulatory system diseases

This major group classifies diseases or disorders of the circulatory system.

Includes: heart attack (1331), chronic rheumatic heart disease and acute rheumatic fever (131); hypertensive heart disease (132), ischemic heart disease (133); diseases of pulmonary circulation (134); cerebrovascular disease (136); diseases of arteries, arterioles, and capillaries (137); and diseases of veins and lymphatics (138), and other diseases of the circulatory system

130 Circulatory system diseases, unspecified
131 Rheumatic fever with heart involvement

Includes: chronic rheumatic heart disease, and rheumatic carditis.

132 Hypertensive disease

This nature group classifies essential hypertension; hypertensive heart disease; and hypertensive renal disease.

133* Ischemic heart disease, including heart attack

This nature group classifies ischemic heart disease with or without mention of hypertension.

1330 Ischemic heart disease, unspecified
1331 Myocardial infarction (heart attack)

heart attacks resulting from atherosclerosis or coronary artery disease; cardiac infarction; coronary (artery) embolism, occlusion, rupture, or thrombosis; infarction of heart, myocardium, or ventricle

1332 Angina

angina pectoris prinzmetal angina

1339 Ischemic heart disease, n.e.c.

coronary atherosclerosis; nontraumatic aneurysm of heart wall, and coronary vessels.

134* Diseases of pulmonary circulation

This nature group classifies acute and chronic pulmonary heart disease, and other diseases of pulmonary circulation.

*-Asterisks indicate division, major group, or group titles
### 1340 Diseases of pulmonary circulation, unspecified

- **1341 Pulmonary heart disease**
  - acute cor pulmonale
  - acute pulmonary artery or vein embolism and infarction
  - primary pulmonary hypertension
  - kyphoscoliotic heart disease.

### 1349 Diseases of pulmonary circulation, n.e.c.

- arteriovenous fistula of pulmonary vessels
- nontraumatic aneurysm of pulmonary artery

### 135 Other forms of heart disease

This nature group classifies heart disease that is not classified in any other nature group in major group 13.

**Includes:**
- acute pericarditis (1359);
- acute and subacute endocarditis (1359);
- acute myocarditis, toxic (1351) and non-toxic (1359);
- cardiomyopathy (1359);
- cardiac dysrhythmias (1359);
- heart failure (1352);
- and ill-defined descriptions and complications of heart disease (1353)

### 1350 Other forms of heart disease, unspecified

- **1351 Toxic myocarditis**
- **1352 Heart failure**
- **1353 Ill-defined descriptions and complications of heart disease**
- **1359 Other forms of heart disease, n.e.c.**

### 136 Cerebrovascular disease

This nature group classifies subarachnoid, intracerebral, and other and unspecified intracranial hemorrhage that are not associated with a traumatic event.

**Includes:**
- occlusion and stenosis of precerebral arteries including embolism and thrombosis (1369);
- occlusion of cerebral arteries (1369);
- transient cerebral ischemia (1362);
- and other acute, ill-defined cerebrovascular diseases (1369)

**Excludes:**
- traumatic intracranial injuries (06), traumatic bruises and contusions (043)

### 1360 Cerebrovascular disease, unspecified

- **1361 Stroke**
- **1362 Transient ischemic attacks**
- **1369 Cerebrovascular disease, n.e.c.**

### 137 Diseases of arteries, arterioles, capillaries

This nature group classifies diseases peculiar to arteries, arterioles, and capillaries.

**Includes:**
- atherosclerosis (1379), aortic and other nontraumatic aneurysms (1372),
- nontraumatic arterial embolism and thrombosis (1379), Buerger's disease (1379),
- Goodpasture's syndrome (1379), Raynaud's syndrome (1371),
- and other peripheral vascular disease (1379)

**Excludes:**
- traumatic internal injuries to organs and blood vessels of the trunk (094),
- traumatic bruises and contusions (043),
- and traumatic intracranial injuries (06)

### 1370 Diseases of arteries, arterioles, capillaries, unspecified

- **1371 Raynaud's syndrome or phenomenon**
- **1372 Aneurysm--nontraumatic**
- **1379 Diseases of arteries, arterioles, capillaries, n.e.c.**

* Asterisks indicate division, major group, or group titles
138* Diseases of the veins, lymphatics

This nature group classifies diseases of the veins and lymphatics.

*Includes:* phlebitis and thrombophlebitis (1383); thrombosis and embolism of veins (1389); varicose veins (1381); hemorrhoids (1382); noninfectious disorders of lymphatic channels (1389); hypotension (1389); and other diseases of the veins and lymphatics not elsewhere classified (1389)

*Excludes:* traumatic internal injuries to organs and blood vessels of the trunk (094), traumatic bruises and contusions (043), and traumatic intracranial injuries (06)

1380 Diseases of the veins, lymphatics, unspecified
1381 Varicose veins
1382 Hemorrhoids
1383 Phlebitis
1389 Diseases of the veins, lymphatics, n.e.c.

139 Circulatory system diseases, n.e.c.

This nature group classifies circulatory system diseases that are not classified by any other code in the major group 13.

*Includes:* nontraumatic hemorrhage or rupture of blood vessels, n.e.c.; spontaneous hemorrhage, n.e.c.; and peripheral venous insufficiency, n.e.c.

14* Respiratory system diseases

This major group consists of diseases of the respiratory system.

*Includes:* acute and chronic diseases of the upper respiratory tract (141 and 142 respectively); pneumonia and influenza (143); chronic obstructive pulmonary diseases (144); and pneumoconioses (145)

140 Respiratory system diseases, unspecified
141 Acute respiratory infections (including common cold)

This nature group classifies acute respiratory infections.

*Includes:* nasopharyngitis, sinusitis, pharyngitis, tonsillitis, laryngitis and tracheitis, and bronchitis and bronchiolitis.

142* Other diseases of upper respiratory tract

This nature group classifies a variety of other upper respiratory tract diseases that are not classified elsewhere.

*Includes:* allergic rhinitis (1421), chronic pharyngitis and nasopharyngitis (1422); chronic sinusitis (1422); chronic diseases of tonsils and adenoids (1422), chronic laryngitis and laryngotraheitis (1422); nasal polyps (1429), and peritonsillar abscess (1429)

1420 Other diseases of upper respiratory tract, unspecified
1421 Allergic rhinitis
1422 Chronic conditions of upper respiratory tract (including chronic sinusitis, pharyngitis)
1429 Other diseases of upper respiratory tract, n.e.c.

*-Asterisks indicate division, major group, or group titles*
143* Pneumonia, influenza

This nature group classifies pneumonia due to viral or bacterial agents; pneumonia, due to unspecified organisms; bronchopneumonia; and influenza with or without pneumonia.

1430 Pneumonia, influenza, unspecified
1431 Pneumonia
1432 Influenza
1433 Legionnaires' disease
1439 Pneumonia, influenza, n.e.c.

144* Chronic obstructive pulmonary disease and allied conditions

This nature group classifies chronic obstructive pulmonary disease and allied conditions.

Includes: bronchiectasis (1449), bronchitis (1441), emphysema (1442), extrinsic asthma (1443), extrinsic allergic alveolitis (1444), and intrinsic asthma (1449)

Excludes: cotton-dust asthma (1461) and stripper's asthma (1461)

1440 Chronic obstructive pulmonary disease and allied conditions, unspecified
1441 Bronchitis
1442 Emphysema
1443 Extrtrinsic asthma
1444 Extrinsic allergic alveolitis and pneumonitis (including farmers' lung, bagassosis)
1449 Chronic obstructive pulmonary diseases and allied conditions, n.e.c.

145* Pneumoconioses

This group is comprised of conditions characterized by permanent deposition of substantial amounts of particulate matter in the lungs, and by the tissue reaction to its presence. Particulate matter includes inorganic as well as organic dusts.

Includes: bauxite fibrosis (1459), graphic fibrosis (1459), and stannosis (1459)

1450 Pneumoconioses, unspecified
1451 Coal workers' pneumoconiosis (including anthracosis, black lung, miner's asthma)
1452 Asbestosis
1453 Silicosis
1454 Talcosis
1455 Aluminosis
1456 Berylliosis
1457 Siderosis
1458 Pneumoconiosis with tuberculosis
1459 Pneumoconioses, n.e.c.

146* Pneumonopathy

This nature group classifies lung diseases due to external agents that have not been classified elsewhere.

Includes: Brown lung (1461), cotton-dust asthma (1461), cotton-mill fever (1461), metal fume fever (1462), Monday fever (1461), and stripper's asthma (1461)

1460 Pneumonopathy, unspecified
1461 Byssinosis, Mill fever
1462 Metal fume fever
1469 Pneumonopathy, n.e.c.
149* Other respiratory system diseases

This nature group classifies other respiratory system diseases that are not classified elsewhere.

*Includes: atelectasis or collapsed lung (1495), empyema (1499), humidifier fever (1491), other forms of pneumonitis (1492), pleurisy (1499), pulmonary edema (1493), pulmonary fibrosis (1494), and spontaneous pneumothorax (1499)

1490 Other respiratory system diseases, unspecified
1491 Humidifier fever
1492 Pneumonitis, n.e.c.
1493 Pulmonary edema
1494 Pulmonary fibrosis, n.e.c.
1495 Atelectasis, collapsed lung
1499 Other respiratory system diseases, n.e.c.

15* Digestive system diseases and disorders

This major group classifies diseases of the digestive system.

*Includes: diseases of the oral cavity, salivary glands and jaws (151); diseases of the esophagus, stomach, and duodenum (152); hernias of the abdominal cavity (153); noninfectious enteritis and colitis (154)

150 Digestive system diseases and disorders, unspecified
151 Diseases of oral cavity, salivary glands, jaws

This nature group classifies diseases of the teeth, bone support and surrounding tissues, jaws, salivary glands, lips, and tongue.

152 Diseases of esophagus, stomach, duodenum

This nature group classifies inflammation and other diseases and disorders of the esophagus, stomach and duodenum.

*Includes: duodenal ulcer, duodenitis, gastric ulcer, gastritis, gastrojejunal ulcer, and peptic ulcer

153* Hernia

This nature group classifies hernias of the abdominal cavity.

*Includes: femoral (1539), esophageal (1539), hiatal (1532), inguinal (1531), paraesophageal (1539) scrotal (1531), umbilical (1539), and ventral (1533) hernias

*Excludes: herniated disc (011), herniated brain (1231), and strangulations (091)

1530 Hernia, unspecified
1531 Inguinal hernia
1532 Hiatal hernia
1533 Ventral hernia
1539 Hernia, n.e.c.

154 Noninfectious enteritis and colitis (including ileitis)

This nature group classifies noninfectious inflammations of the ilium, colon, and small intestines; and acute vascular insufficiency of the intestines.

*-Asterisks indicate division, major group, or group titles
155 Other diseases of intestines or peritoneum

This nature group classifies other diseases of the intestines or peritoneum such as intestinal diverticula and abscess, and peritonitis.

156 Toxic hepatitis—noninfective

This nature group classifies non-infective hepatitis due to toxic agents.

*Excludes:* infectious or viral hepatitis (225)

159 Digestive system diseases and disorders, n.e.c.

This nature group classifies other diseases of the digestive system, n.e.c.

*Includes:* cirrhosis of the liver and pancreatitis

16* Genitourinary system diseases and disorders

This major group classifies diseases and disorders of the genitourinary system.

*Includes:* nephritis (1611), nephrotic syndrome (1612), nephrosis (1613); diseases and disorders of the genital tract (163); and other diseases of the urinary system (162)

160 Genitourinary system diseases and disorders, unspecified

161* Nephritis, nephrotic syndrome, and nephrosis

This nature group classifies acute and chronic glomerulonephritis, a nonsuppurative inflammatory kidney disease.

*Excludes:* hydronephrosis (1629)

1610 Nephritis, nephrotic syndrome, and nephrosis, unspecified
1611 Nephritis
1612 Nephrotic syndrome
1613 Nephrosis

162* Other diseases of urinary system

This nature group classifies inflammation and other disorders of the urinary bladder.

*Includes:* cystitis (1621), hydronephrosis (1629), renal failure (1623), urethral stricture (1629), and urethritis (1629)

1620 Other diseases of urinary system, unspecified
1621 Cystitis
1623 Renal failure
1629 Other diseases of urinary system, n.e.c.

163* Diseases and disorders of the genital tract

This nature group classifies noninfective and nonparasitic diseases and disorders of the genital tract.

1630 Diseases and disorders of the genital tract, unspecified
1631 Infertility
1632 Spontaneous abortion, miscarriage
1639 Diseases and disorders of the genital tract, n.e.c.
164  **Disorders of breast**

This nature group classifies disorders of the breast.

*Includes:* abscess, benign mammary dysplasias; and mastitis of the breast

*Excludes:* breast cancer (3112)

169  **Genitourinary system diseases and disorders, n.e.c.**

17*  **Musculoskeletal system and connective tissue diseases and disorders**

This major group classifies diseases of the musculoskeletal system and connective tissue.

*Includes:* arthropathies (171); dorsopathies (172); rheumatism, except affecting the back (173); rheumatism affecting the back (1729); and osteopthies, chondropathies, and acquired musculoskeletal deformities (174)

*Excludes:* sprains and strains (021), traumatic injuries to muscles, tendons, ligaments, or joints (02)

170  **Musculoskeletal system and connective tissue diseases and disorders, unspecified**

171  **Arthropathies and related disorders (arthritis)**

This nature group classifies joint diseases and related disorders with or without association with infections.

*Includes:* ankylosis of the joint, arthritis, arthropathy, and polyarthritis

*Excludes:* disorders of the spine (172), gouty arthropathy (1919), rheumatic fever with heart involvement(131)

172*  **Dorsopathies**

This nature group classifies conditions affecting the back and spine.

*Includes:* spondylitis and spondylosis of the spine (1729); intervertebral disc disorders, except dislocation (1723); sciatica (1721); lumbago (1722); and other nontraumatic backaches (1729)

*Excludes:* dislocated disc (011), curvature of the spine (1741), fractured spine (012), herniated disc (011), ruptured disc (011), traumatic sprains and strains involving the back (021), and other traumatic injuries to muscles, tendons, ligaments, or joints of the back (02), and traumatic back pain or backache (0972)

1720  **Dorsopathies, unspecified**

1721  **Sciatica**

1722  **Lumbago**

1723  **Disc disorders, except dislocation**

1729  **Dorsopathies, n.e.c.**

*-Asterisks indicate division, major group, or group titles*
**173**  **Rheumatism, except the back**

This nature group classifies disorders marked by inflammation, degeneration, or metabolic derangement of the connective tissue structure of the body, especially the joints and related structures of muscles, bursae, tendons and fibrous tissue. Generally, these codes should be used when the condition occurred over time as a result of repetitive activity.

*Includes:* rotator cuff syndrome (1739), rupture of synovium (1739), and trigger finger (1739)

*Excludes:* rheumatism affecting the back is included in code (172), traumatic injuries and disorders affecting the muscles, tendons, ligaments and joints (02)

1730  **Rheumatism, except the back, unspecified**
1731  **Bursitis**
1732  **Synovitis**
1733  **Tendonitis**
1734  **Tenosynovitis**
1735  **Ganglion/cystic tumor**
1736  **Myositis**
1739  **Rheumatism, except the back, n.e.c.**

**174**  **Osteopathies, chondropathies, acquired deformities**

This group is comprised of diseases of bones, diseases of cartilage, and acquired musculoskeletal deformities.

*Includes:* osteomyelitis, periostitis and other infections involving bone; and acquired curvature of the spine

1740  **Osteopathies, chondropathies, acquired deformities, unspecified**
1741  **Curvature of spine**
1749  **Osteopathies, chondropathies, acquired deformities, n.e.c.**

**179**  **Musculoskeletal system and connective tissue diseases and disorders, n.e.c.**

This nature group classifies musculoskeletal system and connective tissue diseases and disorders that are not classified elsewhere.

**18**  **Disorders of the skin and subcutaneous tissue**

This major group classifies diseases and disorders of the skin and subcutaneous tissue.

*Includes:* boils, furunculosis, lymphaladenitis, and other infections of skin and underlying tissue; dermatitis; other inflammatory conditions of the skin; diseases of sebaceous glands; and other disorders of the skin and subcutaneous tissue

180  **Disorders of the skin and subcutaneous tissue, unspecified**

**181**  **Infections of the skin and subcutaneous tissue**

This nature group classifies local infections of the skin and underlying tissue and of the lymph glands and nodes.

*Includes:* boils (1811), cellulitis (1812), impetigo (1814), acute lymphadenitis (1813)

*Excludes:* Erysipelas (2194), Erysipeloid of Rosenbach (2129), Herpes simplex (2235), Herpes zoster (2234), Molluscum contagiosum (2299), and Viral warts (2299)

*-Asterisks indicate division, major group, or group titles*
1810 Infections of the skin and subcutaneous tissue, unspecified
1811 Carbuncle and furuncle
1812 Cellulitis and abscess
1813 Acute lymphadenitis (acute abscess of lymph gland or node)
1814 Impetigo
1815 Pilonidal cyst
1816 Pyoderma
1819 Infections of the skin and subcutaneous tissue, n.e.c.

182* Dermatitis

This nature group classifies dermatitis, or inflammation of the skin, resulting from contact
with allergens or irritant substances; lowered cutaneous threshold to pruritis (itching) and
related conditions; and from substances taken internally.

1820 Dermatitis, unspecified
1821 Atopic dermatitis and related conditions
1822 Contact dermatitis and other eczema
1823 Allergic dermatitis
1824 Irritant dermatitis
1825 Other contact dermatitis
1826 Dermatitis due to substances taken internally
1829 Dermatitis, n.e.c.

183* Other inflammatory conditions of the skin

This nature group classifies other inflammatory conditions of the skin and underlying
tissue that are not classified elsewhere.

Includes: dermatoses (1831, 1832); erythematous conditions (1834); lichen
(1836); pruritus (1837); psoriasis (1835)

1830 Other inflammatory conditions of the skin, unspecified
1831 Erythematousquamous dermatosis (including dandruff, parakeratosis,
pityriasis)
1832 Bullous dermatoses
1833 Rosacea
1834 Other erythematous conditions
1835 Psoriasis and similar disorders
1836 Lichen
1837 Pruritus and related conditions
1839 Other inflammatory conditions, n.e.c.

184* Diseases of sebaceous glands

This nature group classifies diseases of the sebaceous glands.

Includes: acne varioliformis and other forms of acne (1841); atheroma (1842),
keratin (1842), and wen (1842); astematosis--cutis (1849), and xerosis
cuts (1849)

1840 Diseases of sebaceous glands, unspecified
1841 Acne
1842 Sebaceous cyst
1849 Diseases of sebaceous glands, n.e.c.
189* Other diseases and disorders of the skin and subcutaneous tissue

This nature group classifies other diseases or disorders of the skin and underlying tissue: hypertrophic and atrophic conditions of the skin; diseases of the nail, hair, and hair follicles; disorders of the sweat glands.

Includes: callosities (1891), corns (1891); chronic ulcers of skin (1897); and urticaria (1898)

Excludes: traumatic disorders of the skin (Division 0), blisters (042), bruises and contusions (043), burns (05), effects of environmental conditions (07), friction burns (045), lacerations (034), and puncture wounds (037)

1890 Other diseases and disorders of the skin and subcutaneous tissue, unspecified
1891 Corns and callosities (including callus, clavus)
1892 Other hypertrophic and atrophic conditions (including acquired keratoderma)
1893 Diseases of the nail (including ingrowing nail)
1894 Diseases of hair and hair follicles (including folliculitis)
1895 Disorders of sweat glands (including prickly heat)
1896 Vitiligo
1897 Chronic skin ulcers
1898 Urticaria, hives
1899 Other diseases and disorders of the skin and subcutaneous tissue, n.e.c.

19 Other systemic diseases and disorders

This major group classifies systemic diseases or disorders not elsewhere classified.

190 Other systemic diseases and disorders, unspecified
191* Endocrine, nutritional, metabolic, and immunity disorders

This nature group classifies diseases and disorders of the endocrine glands, nutritional deficiencies, and other metabolic and immunity disorders.

Excludes: AIDS (2211), HIV infection (221)

1910 Endocrine, nutritional, metabolic, and immunity disorders, unspecified
1911 Diseases and disorders of thyroid gland
  toxic and nontoxic goiter thyroiditis
1912 Diseases and disorders of other endocrine glands

This code classifies disorders of the pancreas; disorders of the parathyroid, pituitary, thymus, and adrenal glands, and other endocrine disorders.

Includes: diabetes and ovarian and testicular dysfunction

1919 Endocrine, nutritional, metabolic, and immunity disorders, n.e.c.

This code classifies endocrine, nutritional, metabolic, and immunity disorders that are not classified by any other code within nature group 19.

Includes: cystic fibrosis; vitamin or mineral deficiencies; amino-acid, carbohydrates and other nutrient transport disorders; gout; and disorders involving the immune mechanism

*-Asterisks indicate division, major group, or group titles
199 Systemic diseases and disorders, n.e.c.

This nature group classifies systemic diseases and disorders that are not classified under any other group in this division.
2* INFECTIOUS AND PARASITIC DISEASES

This division classifies five types of infections: bacterial, viral, rickettsial, fungal, and parasitic infections. These infectious agents are transmitted to a person through inhalation, ingestion, or contact with the skin. These diseases are generally recognized as communicable or transmissible, with a few of unknown but possibly infectious origin.

Excludes: inflammatory diseases of the central nervous system due to viral, bacterial, fungal and other organisms (121), pneumonia and influenza due to viral and bacterial agents (143)

20 Infectious and parasitic diseases, unspecified

21* Bacterial diseases

This major group classifies diseases which are caused by bacterial agents.

Excludes: infectious bacterial diseases specific to the intestines (26), rickettsiosis diseases, (231), typhus (232), lyme disease (237), and Chlamydia diseases (229)

210 Bacterial diseases, unspecified

211* Tuberculoses

This nature group classifies infectious diseases caused by species of mycobacterium and are characterized by the formation of tubercles and caceous necrosis in the tissues, particularly of the lungs.

2110 Tuberculoses, unspecified
2111 Primary tuberculous infection
2112 Pulmonary tuberculosis
2113 Miliary tuberculosis
2119 Tuberculoses, n.e.c.

212* Zoonotic bacterial diseases

This nature group classifies bacterial diseases that are transmissible from animals to man under natural conditions.

Includes: bubonic plague (2121), pneumonic plague (2121), deerfly fever (2122), and rabbit fever (2122)

2120 Zoonotic bacterial diseases, unspecified
2121 Plague
2122 Tularemia
2123 Anthrax
2124 Brucellosis
2125 Glanders
2126 Melioidosis
2127 Rat-bite fever
2129 Zoonotic bacterial diseases, n.e.c.

213* Syphilis and other venereal diseases

This nature group classifies subacute to chronic infectious venereal diseases caused by bacterial organisms.

2130 Syphilis and other venereal diseases, unspecified
2131 Early syphilis
2132 Cardiovascular syphilis
2133 Neurosyphilis
2134 Gonorrhea and other gonococcal infections
2139 Syphilis and other venereal diseases, n.e.c.
214* Other spirochetal diseases

This nature group classifies infectious diseases caused by a spiral bacterium or spirochete.

Includes: Weil’s disease (2141), Fort Bragg fever, (2141), and swamp fever (2141)

Excludes: lyme disease (237)

2140 Other spirochetal diseases, unspecified
2141 Leptospirosis
2142 Vincent’s angina
2143 Yaws
2144 Pinta
2149 Other spirochetal diseases, n.e.c.

219* Other bacterial diseases

This nature group classifies infectious diseases caused by other bacteria and mycobacteria.

2190 Other bacterial diseases, unspecified
2191 Leprosy
2192 Diphtheria, whooping cough
2193 Streptococcal sore throat and scarlatina
2194 Erysipelas
2195 Meningococcal infection
2196 Tetanus
2197 Septicemia
2198 Actinomycotic infections
2199 Other bacterial diseases, n.e.c

22* Viral diseases

This major group classifies diseases which are caused by viral agents. Unlike bacteria, viruses lack independent metabolism and replicate only within living host cells.

220 Viral diseases, unspecified

221* Human immunodeficiency virus (HIV) infection

This nature group classifies infectious diseases caused by a virus affecting the immune system.

Code 2211, Acquired immune deficiency syndrome (AIDS), is to be used only when there is a diagnosis of AIDS, i.e., symptoms of AIDS are diagnosed.

2210 Human immunodeficiency virus (HIV) infection, unspecified
2211 Acquired immune deficiency syndrome (AIDS)
2212 AIDS-like syndrome, AIDS-related complex (ARC)
2219 HIV infection, n.e.c

222* Non-arthropod-borne viral diseases of the central nervous system

This nature group classifies viral diseases not associated with transmittal of viruses from arthropods--fleas, ticks, lice, etc.

Includes: abacterial meningitis (2223), aseptic meningitis (2223), and viral meningitis (2223)

Excludes: meningitis due to arthropod-borne virus (2249), menigitis due to leptospira (2141), viral encephalitis (2243)

2220 Non-arthropod-borne viral diseases of the central nervous system, unspecified
2221 Acute poliomyelitis

*-Asterisks indicate division, major group, or group titles
2222 Slow virus infection of central nervous system
2223 Meningitis due to enterovirus
2224 Other enterovirus diseases
2229 Non-arthropod-borne viral diseases of the central nervous system, n.e.c.

223* Viral diseases accompanied by exanthem (eruptive fever)

This nature group classifies viral diseases characterized by fever and skin eruptions or rashes.

2230 Viral diseases accompanied by exanthem (eruptive fever), unspecified
2231 Smallpox
2232 Cowpox and paravaccinia
2233 Chickenpox
2234 Herpes zoster
2235 Herpes simplex
2236 Measles
2237 Rubella/German measles
2239 Viral diseases accompanied by exanthem (eruptive fever), n.e.c.

224* Arthropod-borne viral diseases

This nature group classifies viral diseases transmitted by organisms having a hard, jointed exoskeleton and paired, jointed legs. Also included in this group are viral diseases transmitted by arachnids.

2240 Arthropod-borne viral diseases, unspecified
2241 Yellow fever
2242 Dengue
2243 Viral encephalitis
2244 Hemorrhagic fever
2249 Arthropod-borne viral diseases, n.e.c.

225* Viral Hepatitis

This group is comprised of hepatitis conditions due to viruses and chlamydia. Included are infectious and serum hepatitis with, or without mention of hepatic coma.

Excludes: noninfective toxic hepatitis (156)

2250 Viral Hepatitis, unspecified
2251 Type A viral hepatitis (infectious hepatitis)
2252 Type B viral hepatitis (serum hepatitis)
2259 Non Type A or Type B viral hepatitis

226* Viral diseases of the conjunctiva

This nature group classifies diseases of the conjunctiva due to viruses and chlamydiae.

Excludes: non-viral disorders of the conjunctiva (125)--If the source document only specifies conjunctivitis, select code 1252

2260 Viral diseases of the conjunctiva, unspecified
2261 Trachoma
2262 Viral conjunctivitis (ophthalmia)
2269 Viral diseases of the conjunctiva, n.e.c.

* Asterisks indicate division, major group, or group titles
229* Other diseases due to viruses and Chlamydiae

This nature group classifies other diseases due to viruses and chlamydiae.

*Includes:* viral warts (2299), sweating fever (2299), miliary fever (2299), and cytomegalovirus (2299)

*Excludes:* hepatitis conditions due to viruses and chlamydiae (226), diseases of the conjunctiva due to viruses and chlamydiae (226)

2290 Other diseases due to viruses and Chlamydiae, unspecified
2291 Rabies
2292 Mumps
2293 Ornithosis (including parrot fever, psittacosis)
2294 Specific diseases due to Coxsackie virus
2295 Infectious mononucleosis
2296 Cat scratch disease
2297 Foot and mouth disease
2299 Other diseases due to viruses and Chlamydiae, n.e.c.

23* Other arthropod-borne diseases

This major group classifies diseases from bacterial microbes associated with and transmitted to humans primarily through bloodsucking arthropods, such as fleas, ticks, and lice.

*Excludes:* arthropod-borne viral diseases (226)

230 Other arthropod-borne diseases, unspecified

231* Rickettsioses diseases

This nature group classifies diseases due to Rickettsiae bacteria.

*Includes:* tick-borne rickettsioses (2313)

2310 Rickettsioses diseases, unspecified
2311 Spotted fevers
2312 Q fever
2313 Tick typhus
2314 Trench fever
2319 Rickettsioses diseases, n.e.c.

232 Typhus

This nature group classifies acute, arthropod-borne infections caused by rickettsiae.

*Includes:* Brill-Zinsser disease, classic typhus, epidemic typhus, louse or flea borne typhus, and scrub or tropical typhus

*Excludes:* tick typhus (2313)

233 Malaria

This nature group classifies the various forms of the disease malaria which is usually transmitted by the bites of infected anopheline mosquitoes.

234 Leishmaniasis

This nature group classifies arthropod-borne diseases caused by parasitic protozoa resulting in visceral, cutaneous, or mucocutaneous leishmaniasis.
235 Trypanosomiasis (including Chagas' disease)
This nature group classifies arthropod-borne diseases caused by parasitic protozoa of the genus Trypanosoma.

Includes:  Chagas' disease and sleeping sickness

236 Relapsing fever
This nature group classifies louse and tick-borne diseases caused by parasitic protozoa.

237 Lyme disease
This nature group classifies recurrent multisystemic disorders due to a tick-transmitted spirochete.

239 Other arthropod-borne diseases, n.e.c.
This nature group classifies other arthropod-borne disease.

Includes:  bartonellosis, Carrion's disease, oroya fever, and verruga peruana

24* Mycoses
This major group classifies diseases caused by various types of fungi growing in or on the human host.

Excludes:  actinomycotic infections (219)

240 Mycoses, unspecified

241 Dermatophytosis (including athlete's foot, tinea)
This nature group classifies superficial fungal infections characterized by the formation of small vesicles with cracking and scaling, primarily affecting the skin, hair, and nails.

242 Dermatomycosis
This nature group classifies fungal infections affecting the skin or appendages caused by Trichophyton, Microsporum, and Epidermophyton species of fungi.

243 Candidiasis
This group of diseases include infection by the Candida species of fungi.

244 Coccidioidomycosis
This nature group classifies diseases caused by infection with the Coccidioides immitis fungus.

245 Histoplasmosis
This nature group classifies diseases caused by infection with the Histoplasma capsulatum fungus. Infection usually is caused by inhalation of the fungus.

246 Blastomycotic infection (including paracoccidioidomycosis)
This nature group classifies infections caused by a yeastlike organism.

*-Asterisks indicate division, major group, or group titles
249  **Mycoses, n.e.c.**

This nature group classifies specified infections caused by Microbes, n.e.c.

*Includes:* allescheriosis, aspergillosis, chromoblastomycosis, cryptococcosis, mycotic mycetoma, rhinosporidiosis, sporotichosis, zygomycosis

25*  **Helminthiases**

This major group classifies diseases that are caused by parasitic worms.

250  **Helminthiases, unspecified**

251  **Schistosomiasis (including bilharziasis)**

This nature group classifies infections resulting from parasitic worms (flukes) of the genus Schistosoma.

252  **Other trematode infections (including fluke)**

This nature group classifies infections resulting from any parasitic organism belonging to the class Trematoda.

253  **Echinococcosis**

This nature group classifies infections, or cysts, that are caused by the Echinococcus granulosus tapeworm. The liver and lungs are the sites most frequently affected.

254  **Other cestode infection (including tapeworm)**

This nature group classifies diseases caused by tapeworms of the class Cestoidea.

255  **Trichinosis**

This nature group classifies diseases due to infection by trichinae, a nematode parasite.

256  **Filarial infection and dracontiasis**

This nature group classifies diseases due to infection by nematode parasitic worms.

257  **Ancylostomiasis and necatoriasis**

This nature group classifies diseases due to infection by nematode parasites of the Ancylostomidae and Necator families.

258  **Unspecified intestinal parasitism**

This nature group classifies diseases due to unspecified intestinal parasites.

259  **Helminthiases, n.e.c.**

This nature group classifies diseases due to parasitic worms, n.e.c.

*Includes:*  anisakiasis, ascariasis, capillariasis, enterobiasis, strongliodiasis, trichostrongyliaasis, and trichuriasis
26* Infectious diseases peculiar to the intestines

This major group classifies infectious diseases peculiar to the intestines caused by bacterial and parasitic agents.

Excludes: helminthiases diseases (25)

260 Infectious diseases peculiar to the intestines, unspecified

261 Cholera

This nature group classifies acute infection of the intestine caused by a potent enterotoxin.

262 Typhoid and paratyphoid fevers

This nature group classifies acute infectious diseases caused by a Salmonella bacterium.

263 Other salmonella infections

This nature group classifies other infections or food poisoning by Salmonella bacteria.

264 Shigellosis

This nature group classifies diseases produced by infection with bacterial organisms of the genus Shigella.

265 Other bacterial food poisoning (including botulism and staphylococcal food poisoning)

This nature group classifies other diseases caused by botulism and staphylococcal bacteria.

Excludes: salmonella caused food poisoning (263), toxic effects of food contaminants (0959)

266 Amebiasis

This nature group classifies infection due to amebae, usually to E. histolytica bacterium.

267 Colitis

This nature group classifies infection of the colon due to Balantidium coli bacterium.

268 Dysentery

This nature group classifies intestinal diseases caused by protozoa.

269 Infectious diseases peculiar to the intestines, n.e.c.

This nature group classifies other infectious diseases peculiar to the intestines that are not classified elsewhere.

Includes: balantidiasis, coccidiosis, giardiasis and infectious enteritis

29* Other infectious and parasitic diseases

This major group classifies other infections and parasitic diseases that not peculiar to the intestines.

Excludes: infections and parasitic diseases peculiar to the intestines (26)

290 Other infectious and parasitic diseases, unspecified

291 Toxoplasmosis
This nature group classifies infections by the protozoan Toxoplasm gondii.

292 Trichomoniasis

This nature group classifies infections from the Trichomonas protozoa.

293 Pediculosis and phthirus infestation (lice)

This nature group classifies skin diseases due to infection by lice.

294 Acarasis (including scabies, chiggers, mites)

This nature group classifies conditions, usually a dermatitis, caused by acarids or mites.

295 Other infestations (including maggots, leeches, jigger disease)

This nature group classifies other infestations due to maggots, leeches, fleas (jigger disease) and mites.

296 Sarcoidosis

This nature group classifies sarcoidosis, a disease of unknown etiology.

299 Other infectious and parasitic diseases, n.e.c.

This nature group classifies other specified infectious and parasitic diseases not elsewhere classified.

*Includes:* ainhum, Behcet's syndrome, pneumocystosis, psorospermiasis, and sarcosporidiosis

-Asterisks indicate division, major group, or group titles
This division classifies diseases or conditions related to tumors, or neoplasms: the new growth of tissue in which the multiplication of cells is uncontrolled and progressive. The behavior of tumors or neoplasms may be benign, cancerous, or of uncertain behavior at the time of diagnosis.

31* Malignant neoplasms and tumors (cancers, carcinomas, sarcomas)

This major group classifies cancers that are grouped by location or site. Malignant neoplasms, or tumors, are divided into two broad categories of carcinoma and sarcoma; both are included in this major group. These codes are not designed to capture information on whether a malignant neoplasm is restricted to the original body site or has metastasized.

310 Malignant neoplasms and tumors (cancers, carcinomas, and sarcomas), unspecified

311* Malignant neoplasms and tumors of bone or connective tissue

This nature group includes cancers of the bone and articular cartilage; and connective and other soft tissue.

*Includes:* malignant neoplasms of the periosteum, or covering of bones (3111); blood vessel, bursa, fascia, fat, ligament, muscle, nerves and ganglia, synova, tendon, and tendon sheath (3112)

*Excludes:* malignant neoplasm of hematopoietic tissue (313)

3110 Malignant neoplasms and tumors of bone or connective tissue, unspecified

3111 Bone, articular cartilage

3112 Connective and other soft tissue

3118 Multiple malignant neoplasms and tumors of bone or connective tissue

312* Malignant neoplasms and tumors of the skin

This nature group classifies melanocarcinoma, squamous, basal cell, and multiple malignant neoplasms and tumors of the skin.

*Includes:* malignant neoplasms and tumors of sebaceous glands, sudoriferous and sudoriparous glands, and sweat glands

3120 Malignant neoplasms and tumors of the skin, unspecified

3121 Melanoma of the skin (melanocarcinoma)

3122 Non-melanoma skin cancer (squamous and basal cell)

3128 Multiple malignant neoplasms and tumors of the skin

313* Malignant neoplasms and tumors of lymphatic and hematopoietic tissue

This nature group classifies cancers of the lymphatic and hematopoietic tissue.

3130 Malignant neoplasms and tumors of lymphatic and hematopoietic tissue, unspecified

3131 Lymphosarcoma and reticulosarcoma (lymphoma)

3132 Hodgkin's disease

*Excludes:* nodular sclerosis

3133 Multiple myeloma

*Kahler's disease Myelomatosis*
3134 Leukemias
- lymphoid
- monocytic
- erythremic myelosis

3138 Multiple malignant neoplasms and tumors of lymphatic and hematopoietic tissue

3139 Malignant neoplasms and tumors of lymphatic and hematopoietic tissue, n.e.c.

319 Malignant neoplasms and tumors of other sites

This nature group classifies malignant neoplasms and tumors located in other sites not included in any of the previous nature groups of this division.

Includes: malignant neoplasms and tumors of the digestive organs and peritoneum; respiratory and intrathoracic organs; genitourinary organs; brain; eyeball; endocrine glands, and oral cavity pharynx

32* Benign neoplasms and tumors

This major group classifies non-cancerous neoplasms and tumors of the bone, connective tissue, the skin, and internal organs.

320 Benign neoplasms and tumors, unspecified

321* Benign neoplasms of bone, connective tissue, and skin

This nature group classifies lipomas and other benign tumors of the bone, connective and soft tissue, and of the skin.

Includes: benign neoplasms of the periosteum, or covering of bones (3211); blood vessel, bursa, fascia, fat, ligament, muscle, nerves and ganglia, synova, tendon, and tendon sheath (3214)

Excludes: benign neoplasm of hematopoietic tissue (329)

3210 Benign neoplasms of bone, connective tissue, and skin, unspecified

3211 Benign neoplasms of bone and articular cartilage

3212 Lipoma (fatty tumor)

3213 Benign neoplasms of the skin

3214 Other benign neoplasms of connective and other soft tissue

3218 Multiple benign neoplasms of bone, connective tissue, and skin

329* Benign neoplasms and tumors of other sites

This group includes benign neoplasms and tumors located at sites other than those named in this major group.

Includes: benign neoplasms and tumors of the digestive organs and peritoneum; respiratory and intrathoracic organs; genitourinary organs; brain; eyeball; endocrine glands, and oral cavity pharynx

3290 Benign neoplasms and tumors of other sites, unspecified

3291 Hemangioma and lymphangioma--any site

3298 Multiple benign neoplasms and tumors of other sites

3299 Benign neoplasms and tumors of other sites, n.e.c.
33* Neoplasms and tumors of unknown properties

This major group classifies neoplasms and tumors of unknown properties, uncertain behavior, unspecified nature, or unspecified morphology.

Includes: "growth", tumor, "new growth", histiocytic cells and mast cells, and neurofibromatosis

330 Neoplasms and tumors of unknown properties, unspecified

331 Bone, articular cartilage neoplasms and tumors of unknown properties

This nature group classifies neoplasms and tumors of the bone and articular cartilage of unknown properties.

332 Connective and other soft tissue neoplasms and tumors of unknown properties

This nature group classifies neoplasms and tumors of connective and other soft tissue of unknown properties.

Includes: neoplasms and tumors of the peripheral, sympathetic, and parasympathetic nerves and ganglia

333 Skin neoplasms and tumors of unknown properties

This nature group classifies neoplasms and tumors of the skin of uncertain or unspecified morphology and behavior.

338 Multiple neoplasms and tumors of unknown properties

339 Neoplasms and tumors of other sites of unknown properties, n.e.c.

This nature group classifies neoplasms and tumors of unknown properties at body sites other than those named in this major group.
4* SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS

This division classifies symptoms, signs, or abnormal results from laboratory or investigative medical tests or procedures. It includes those ill-defined conditions that cannot be classified elsewhere. Codes from this division should be used when no specific diagnosis is named and cannot be inferred from information found on the source document.

40 Symptoms, signs, and ill-defined conditions, unspecified

41* Symptoms

This major group classifies symptoms--conditions that accompany a disease or illness--where no other diagnosis is available and another classification cannot be inferred from the documentation.

410 Symptoms, unspecified

411* General symptoms

This nature group classifies symptoms that are general in nature and no other diagnosis is available.

Includes: hallucinations (4119), hyperhidrosis (4119), sleep disturbances (4119), excessive sweating (4119), chills (4119), and stupor (4119)

Excludes: Heat related loss of consciousness (0722)

4110 General symptoms, unspecified
4111 Loss of consciousness--not heat related
4112 Convulsions, seizures
4113 Malaise and fatigue
4114 Dizziness
4115 Non-specified allergic reaction
4118 Multiple general symptoms
4119 General symptoms, n.e.c.

412* Symptoms involving nervous and musculoskeletal systems

This nature group classifies symptoms which are specific to either the nervous or musculoskeletal systems.

Includes: abnormal involuntary movements (4121), abnormality of gait (4129), lack of coordination (4129), tetany (4129), and meningismus (4129)

4120 Symptoms involving nervous and musculoskeletal systems, unspecified
4121 Spasms or tremors, n.e.c.
4122 Earache
4123 Eye strain
4128 Multiple symptoms involving nervous and musculoskeletal systems
4129 Symptoms involving nervous and musculoskeletal systems, n.e.c.

413* Symptoms involving skin and other integumentary tissue

This nature group classifies symptoms which are specific to the integumentary system.

Includes: unspecified jaundice (4139), changes in skin texture (4139), and disturbances of skin sensation (4139)

4130 Symptoms involving skin and other integumentary tissue, unspecified
4131 Edema (including dropsy)
4132 Cyanosis
4133 Pallor and flushing
4138 Multiple symptoms involving skin and other integumentary tissue
4139 Symptoms involving skin and other integumentary tissue, n.e.c.
414* Symptoms involving head and neck

This nature group classifies symptoms which are specific to either the head or neck.

Includes: throat pain (4149), aphasia (4149), and epistaxis/nosebleed (4149)

4140 Symptoms involving head and neck, unspecified
4141 Headache, except migraine
4142 Loss of voice, voice disturbances
4148 Multiple symptoms involving head and neck
4149 Symptoms involving head and neck, n.e.c.

415* Symptoms involving cardiovascular system

This nature group classifies symptoms which are specific to the cardiovascular--heart and blood vessels--system.

Includes: palpitations (4159), cardiac murmurs (4159), and abnormal heart sounds (4159)

4150 Symptoms involving cardiovascular system, unspecified
4151 Unspecified tachycardia (rapid heart beat)
4152 Gangrene
4153 Enlargement of lymph nodes
4158 Multiple symptoms involving cardiovascular system
4159 Symptoms involving cardiovascular system, n.e.c.

416* Symptoms involving respiratory system and chest

This nature group classifies symptoms which are specific to the respiratory system.

Includes: orthopnea (4169), stridor (4169), tachypnea (4169), wheezing (4169), and shortness of breath (4169)

4160 Symptoms involving respiratory system and chest, unspecified
4161 Hyperventilation
4162 Hemoptysis (cough with hemorrhage)
4163 Abnormal sputum
4164 Chest pain
4168 Multiple symptoms involving respiratory system and chest
4169 Symptoms involving respiratory system and chest, n.e.c.

417* Symptoms involving digestive and urinary system

This nature group classifies symptoms which are specific to the digestive and urinary systems.

Includes: dysphagia/difficulty in swallowing (4179), peristalsis (4179), renal colic (4179), dysuria (4179), and tenesmus (4179)

4170 Symptoms involving digestive and urinary system, unspecified
4171 Nausea and vomiting
4172 Heartburn
4173 Frequency of urination and polyuria
4174 Oliguria and anuria
4175 Abdominal pain, unspecified
4178 Multiple symptoms involving digestive or urinary system
4179 Symptoms involving digestive and urinary system, n.e.c.

*--Asterisks indicate division, major group, or group titles
418 Multiple symptoms
This group contains multiple symptoms from more than one subgroup within the major group 41. For example, abdominal pain, dizziness and a headache, all of equal severity.

419 Other symptoms, n.e.c.
This nature group classifies the residual symptoms that cannot be classified under any other three digit member of the major group.

Includes: hepatomegaly, splenomegaly, and ascites

42* Abnormal findings
This major group contains classifications for abnormal results from laboratory or investigative medical testing or procedure. These codes should be used when only test results and no specific diagnosis or symptoms are reported on the source documents.

420 Abnormal findings, unspecified

421* Abnormal findings from examination of blood
This nature group classifies abnormal results stemming from examination of the blood.

Includes: abnormal blood-gas level (4212), unspecified bacteremia and viremia (4219), anisocytosis and poikilocytosis (4219)

4210 Abnormal findings from examination of blood, unspecified
4211 Abnormal blood level of lead
4212 Abnormal blood level of substances, except lead
4219 Abnormal findings from examination of blood, n.e.c.

422 Abnormal findings from examination of urine
This nature group classifies abnormal results stemming from examination of the urine.

Includes: acetonuria, biliuria, chyluria, crystalluria, hemoglobinuria, and myoglobinuria

423 Abnormal findings from other body substances
This nature group classifies abnormal results stemming from examination of other body substances. Body substances include amniotic fluid, cerebrospinal fluid, saliva, and semen.

424 Abnormal findings from radiological and other examination of body structure
This nature group classifies abnormal results stemming from examination of other body structures and from radiological testing. Findings of thermography, ultrasound (echogram) and x-ray examinations are included.

Includes: coin lesion or shadow of lung, abnormal mammogram results

425 Abnormal findings from function studies
This nature group classifies abnormal results as determined from function studies.

Includes: abnormal electrocardiogram (ECG, EKG), electroencephalogram (EEG), electroretinogram (ERG)
Abnormal findings from histological and immunological studies
This nature group classifies abnormal results as determined from histological and immunological studies.

Includes: reaction to tuberculin test, positive culture findings, raised level of immunoglobulins, and abnormal karyotype

Multiple abnormal findings
This nature group classifies abnormal results as determined from multiple tests or studies.

Other abnormal findings
This nature group classifies abnormal test or study results that are named but are not included in any other section of major group 42.

Includes: elevated blood pressure reading without diagnosis of hypertension, low blood pressure reading, and abnormal reflex

Multiple symptoms, signs, and ill-defined conditions

Multiple symptoms, signs, and ill-defined conditions, unspecified

Multiple chemical sensitivity
This major section classifies multiple signs and symptoms that are associated with exposure to multiple chemicals.

Multiple symptoms, signs, and ill-defined conditions, n.e.c.
This major section classifies multiple signs, symptoms and ill-defined conditions which can be individually found throughout Division 4.

Symptoms, signs, and ill-defined conditions, n.e.c.
This major group classifies other symptoms, signs, and ill-defined conditions, the details of which are known, but can not be assigned to another code category within Division 4.

*-Asterisks indicate division, major group, or group titles
5* OTHER DISEASES, CONDITIONS, AND DISORDERS

This division classifies physical characteristics for which there is sufficient information for coding purposes, but no specific code exists in previous divisions of the nature of injury or illness structure.

51 Damage to prosthetic devices

This major group classifies injuries or illnesses sustained to a prosthetic device only. If the incident involves a part of the body, code for the specific injury or illness named.

52* Mental disorders or syndromes

This major group is comprised of neurotic, psychotic and organic mental disorders or syndromes. See Appendix B, Volume 1 of the ICD-9-CM for a glossary of mental disorders.

When mental disorders or syndromes are described as sequelae or aftereffect of a traumatic injury or disorder, the initial or underlying condition should be coded. For example, if the individual is experiencing acute depression as a result of chronic pain from a back injury, code the back injury. However, if a mental disorder is secondary to a traumatic incident--witnessing a traumatic amputation of another person--code the mental disorder.

520 Mental disorder or syndrome, unspecified

521* Anxiety, stress, neurotic disorders

This nature group classifies neurotic disorders associated with acute and chronic post-traumatic anxiety; reaction to stress; panic disorders; and other specified neurotic disorders not elsewhere classified.

Includes: job-related stress (5214)

5210 Anxiety, stress, neurotic disorders, unspecified
5211 Post-traumatic anxiety--acute
5212 Post-traumatic anxiety--chronic
5213 Panic disorder
5214 Neurotic reaction to stress
5218 Multiple anxiety, stress, neurotic disorders
5219 Neurotic disorders, n.e.c.

522* Organic mental disorders--neurotic or psychotic

This nature group classifies neurotic and psychotic disorders organic in nature such as substance-induced mental disorders; organic affective syndrome; and other mental disorders not elsewhere classified.

5220 Organic mental disorders--neurotic or psychotic, unspecified
5221 Substance-induced mental disorder
5222 Organic affective syndrome
5228 Multiple organic mental disorders--neurotic or psychotic
5229 Organic mental disorders--neurotic or psychotic, n.e.c.

529 Mental disorders or syndromes, n.e.c.

This group classifies other mental disorders or syndromes not specified as either neurotic or organic mental disorders; or a combination of neurotic and organic mental disorders.

59 Other diseases, conditions, and disorders, n.e.c.
8  MULTIPLE DISEASES, CONDITIONS, AND DISORDERS

This division classifies multiple physical characteristics whose individual codes are found in two or more of the following divisions: Systemic Diseases and Disorders, Infectious and Parasitic Diseases, Neoplasms, Symptoms, Signs and Ill-defined Conditions, and Other Diseases, Conditions, and Disorders.

9999  Nonclassifiable
SECTION 2.2

Part of Body Affected

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2.2.1 Part of Body Affected—Definition, Rules of Selection

The part of body affected identifies the part of the body directly affected by the previously identified nature of injury or illness.

2.0 DEFINITION

The part of body affected identifies the part of the body directly affected by the previously identified nature of injury or illness.

RULES OF SELECTION:

2.1 When the previously named injury or illness involves a single part, choose that part. *Example: For fractured jaw, choose Jaw/ chin.*

2.2 **Traumatic Injuries and Disorders** are generally coded to the external part or location, including specific locations for the mouth and back. *Example: For lumbar sprain, choose Lumbar region of the Back.* Exceptions are noted below.

2.2.1 When **Intracranial Injury** (including Concussion) is identified, choose Brain.

2.2.2 When the injury or illness affects an entire body system, rather than a particular part, name **Body Systems.** *Example: For hypothermia, choose Body Systems.*

2.3 Internal body parts should be named when a disease, disorder, or condition originated at, or is limited to, that internal part. *Example: For hepatitis, choose Liver; for lung cancer, choose Lung.*

2.4 When the injury is an amputation, choose the classification code that represents the nearest part of body lost. *Example: For amputation at knee, choose Lower leg(s).*

2.5 When the previously named injury or illness involves two or more parts within the same division, select the multiple classification code that includes those parts. *Example: If lower leg, foot, and ankle are burned, choose Multiple lower extremities locations, n.e.c.*

2.6 When the previously named injury or illness involves parts from two or more divisions, select **Multiple Body Parts.** *Example: For dislocated shoulder and fractured upper arm, choose Multiple Body Parts.*
2.2-3

2.2.2 Part of Body Affected--Titles and Descriptions

The Part of Body Affected code structure is arranged in order from the top of the body (Division 0, Head) to the bottom of the body (Division 4, Lower Extremities). Division 5 classifies body systems. Division 8 classifies multiple body parts from two or more divisions. Division 9 classifies Prosthetic devices and any human parts of the body which are not classified or listed under any of the other divisions.

Part of Body Affected code description pages are numbered from DP-1 through DP-13 (the "D" meaning "description, the "p" meaning "part of body affected").

The divisions are identified by title at the top right corner of each page.

The Part of Body Affected divisions are arranged as follows:

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<th>DIVISION</th>
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<td>2</td>
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<td>Other Body Parts</td>
</tr>
<tr>
<td>9999</td>
<td>Nonclassifiable</td>
</tr>
</tbody>
</table>
This division classifies the uppermost parts of the body. This region consists of the skull, its contents, and related external structures.

If the nature of injury or illness named is amputation--decapitation, select Head, n.e.c., code 09.

00 Head, unspecified

01* Cranial region, including skull

This major group classifies the region that is bordered by the face in front and the neck below.

Select code 011 when concussion or other intracranial injuries is named as the nature of the injury. Select code 013 when a nonfatal fracture is the nature of injury.

Includes: brain and brain stem (011), hair (012), occipital, parietal, and temporal bones (013), skin (012), subcutaneous connective tissue, cartilage, and muscles (019)

010 Cranial region, unspecified
011 Brain
012 Scalp
013 Skull
018 Multiple cranial region locations
019 Cranial region, n.e.c.

02 Ear(s)

This major group classifies the sense or receptor organs located on either side of the head. The code can be used when either one or both ears are affected.

Includes: anvil, auditory nerve, auricle or pinna, cochlea, concha, eardrum, eustachian tube, hammer, helix, lobule, middle ear or tympanic cavity, outer ear canal, scapha, semicircular canals, stirrup (stapes), and tragus

03* Face

This major group classifies the anterior or frontal portion of the head, which is bounded by the cranial region to the top and back (hairline) and by the neck below.

Includes: bony structures, cartilage, muscle, skin, subcutaneous tissue, underside of the jaw/chin, and veins and arteries

030 Face, unspecified
031 Forehead

Includes: eyebrow(s)

032 Eye(s)

This part of body group classifies the sense organs of sight located in the frontal portion of the head. The code can be used for either one or both eyes and when loss or impairment of sight is involved.

Includes: conjunctiva, cornea, eyeball, inside and outside of the eyelids, iris, lacrimal glands, lens, optic nerve, orbit, retina, and upper and lower eyelashes

033* Nose, nasal cavity

This part of body group classifies the prominent sensory organ in the center of the face that functions as the organ of smell and as a part of the respiratory system.
Generally, select code 0330 when the nature of injury or illness named is from **Traumatic Injuries or Disorders**, Nature of Injury or Illness Division 0, such as fracture or contusion.

0330  Nose, except internal location of diseases or disorders

**Internal Nasal Location of Diseases or Disorders:**

Generally, select codes 0331-0339 when the nature of injury or illness named is found in Division 1 through 5 of the Nature of Injury or Illness structure.

0331  Internal nasal location, unspecified
0332  Nasopharynx
0333  Nasal passages
0334  Sinuses
0338  Multiple internal nasal locations
0339  Internal nasal location, n.e.c.

034  Cheek(s)
035  Jaw/chin
036*  Mouth

This nature group classifies the opening of the alimentary canal which is bounded by the lips and includes the cavity which houses the tongue and teeth.

Select code 0369 if loss of taste has been named as the nature of injury or illness.

0360  Mouth, unspecified
0361  Lip(s)
0362  Tongue
0363  Tooth(teeth)
0364  Gum
0368  Multiple mouth locations
0369  Mouth, n.e.c.

038  Multiple face locations
039  Face, n.e.c.

08  Multiple head locations

09  Head, n.e.c.

Select **Head, n.e.c.** if the nature of injury or illness named is amputation--decapitation.
1* NECK, INCLUDING THROAT

This division classifies that portion of the body that connects the head to the torso or trunk. This region is bounded by the jaw/chin and cranial region to the top and the shoulder to the bottom.

If the nature of injury or illness named is amputation, and the point of amputation is neck, select Head, n.e.c., code 09.

10 Neck, except internal location of diseases or disorders

This major group classifies the external portion of the neck including the uppermost portion of the vertebra. Generally, select this code when the nature of injury or illness named is a member of Division 0 of the Nature of Injury or Illness structure.

Includes: bony structures (cervical vertebrae), cartilage, muscle, skin, subcutaneous tissue, and veins and arteries

Internal Neck Location of Diseases or Disorders:

These major groups classify the underlying visceral structures of the neck. Generally, these codes should be chosen when the nature of injury or illness named is a member of Division 1 through 5 of the Nature of Injury or Illness structure.

11 Internal neck location, unspecified

Select this code when an irritated or sore throat is the nature of injury or illness.

12 Vocal cord(s)

This major group classifies either of two pairs of folds projecting in the larynx cavity.

13 Larynx

This major group classifies the organ of the voice, located between the trachea and the base of the tongue.

14 Laryngopharynx

This major group classifies the inferior portion of the pharynx which is also known as hypopharynx or laryngeal pharynx.

15 Pharynx

This major group classifies the musculomembranous tube in the back of the nose, mouth, and larynx. It extends from the skull to the esophagus.

16 Trachea

This major group classifies the cartilaginous and membranous tube that extends from the bottom of the larynx to the bronchi, which is also known as the windpipe.

18 Multiple internal neck locations

19 Internal neck location, n.e.c.
2* TRUNK

This division classifies the main part of the body, where the head and limbs are attached. The area is bounded by the neck, arms, and legs.

Select a code from this division when the nature of injury or illness is localized to a specific organ(s) and does not affect the entire system, otherwise, select a code from Division 5 of this structure.

Includes: bones, cartilage, internal organs and structures, muscles, nerves, skin, subcutaneous tissue, tendons, veins and arteries, and internal organs and structures

20 Trunk, unspecified

21 Shoulder, including clavicle, scapula

This major group classifies the region where the arm(s) join the trunk.

If the nature of injury or illness named is amputation, and the point of amputation is shoulder, select Upper arm(s), code 311.

Includes: clavicle/collar bone, humerus, scapula/shoulder blade, and shoulder girdle

22* Chest, including ribs, internal organs

This major group classifies the frontal region of the body or thorax. It is bounded by the respiratory diaphragm or abdomen below, the shoulder above, and the back in the rear.

220 Chest, except internal location of diseases or disorders

Internal Chest Location of Diseases or Disorders:

These part groups classify the underlying visceral structures of the chest. Generally, these codes should be chosen when the nature of injury or illness named is a member of Division 1 through 5 of the Nature of Injury or Illness structure.

221 Internal chest location, unspecified
222 Esophagus
223 Heart
224 Bronchus
225 Lung(s), pleura
226 Breast(s)--internal
228 Multiple internal chest locations
229 Internal chest location, n.e.c.

23* Back, including spine, spinal cord

This major group classifies the posterior part of the trunk that is bounded by the neck and the pelvis.

Includes: cartilage, muscles, nerves, and neuroglia, spine, spinal cord, tendons, veins and arteries, vertebra (backbone)

230 Back, including spine, spinal cord, unspecified
231 Lumbar region

This major group classifies the region of the back which includes 5 vertebrae on the spinal column and is located in the lower portion of the back.

Select this code when low back pain or lumbago is named as the nature of injury or illness.
232  **Thoracic region**

This major group classifies the region of the back which includes 12 vertebrae on the spinal column and is located just below the cervical vertebrae of the neck.

233  **Sacral region**

This major group classifies the region of the back which is located just below the thoracic region.

*Includes:* sacrum

234  **Coccygeal region**

This major group classifies the region of the back which is bounded by the lower extremities.

*Includes:* coccyx

238  **Multiple back regions**

239  **Back, including spine, spinal cord, n.e.c.**

24*  **Abdomen**

This major group classifies that portion of the body which lies between the thorax and the pelvis.

240  **Abdomen, except internal location of diseases or disorders**

**Internal Abdominal Location of Diseases or Disorders:**

These major groups classify the underlying visceral structures of the abdomen. Generally, these codes should be chosen when the nature of injury or illness named is a member of Division 1 through 5 of the Nature of Injury or Illness structure.

*Includes:* abdominal cavity

241  **Internal abdominal location, unspecified**

242  **Stomach organ**

243  **Spleen**

244*  **Urinary organs**

2440  **Urinary organs, unspecified**

2441  **Bladder**

2442  **Kidney(s)**

2448  **Multiple urinary organs**

2449  **Urinary organs, n.e.c.**

245*  **Intestines, peritoneum**

2450  **Intestines, peritoneum, unspecified**

2451  **Peritoneum**

2452  **Small intestine**

2453  **Large intestine/colon, rectum**

2458  **Multiple intestinal locations**

2459  **Intestines, n.e.c.**

246*  **Other digestive structures**

2460  **Other digestive structures, unspecified**

2461  **Liver**

2462  **Gallbladder**

2463  **Pancreas**

2468  **Multiple other digestive structures**

2469  **Other digestive structures, n.e.c.**

248  **Multiple internal abdominal locations**

249  **Internal abdominal location, n.e.c.**

*- Asterisks indicate division, major group, or group titles.*
25* Pelvic region

This major group classifies the lower portion of the trunk or torso that supports the lower extremities. This region is bounded by the coccyx of the vertebral column, the abdomen and the legs.

When inguinal hernia is the nature of injury or illness listed, select code 254, **Groin**. If the nature of injury or illness named is amputation, and the point of amputation is hip, select **Thigh**, code 411.

**Includes:** sacroiliac (259)

**Excludes:** intestines (245)

250 Pelvic region, unspecified
251 Hip(s)
252 Pelvis
253 Buttock(s)
254 Groin

255* External reproductive tract structures
    2550 External reproductive tract structures, unspecified
    2551 Scrotum
    2552 Penis
    2553 External female genital region
    2558 Multiple external reproductive tract structures
    2559 External reproductive tract structures, n.e.c.

256* Internal reproductive tract structures
    2560 Internal reproductive tract structures, unspecified
    2561 Prostate
    2562 Testis(testes)
    2563 Ovary(ies)
    2564 Uterus
    2565 Female genitals, n.e.c.
    2568 Multiple internal reproductive tract structures
    2569 Internal reproductive tract structures, n.e.c.

258 Multiple pelvic region locations
259 Pelvic region, n.e.c.

28 Multiple trunk locations

29 Trunk, n.e.c.
3* UPPER EXTREMITIES

This division classifies the extremities that are bounded by the shoulder at the top with the fingers as the lowermost part included.

Includes: bones, cartilage, muscles, skin, subcutaneous tissue, veins and arteries  (See the alphabetical listing for specific muscle and bone names.)

30 Upper extremities, unspecified

31* Arm(s)

This major group classifies the upper extremities from the area above the wrist up to the shoulder.

If the injury or illness involves the same part of the left, right, or both arms, select a code from this major group.

If the nature of injury named is amputation, and the point of amputation is elbow, select Forearm(s), code 313.

310 Arm(s), unspecified
311 Upper arm(s)
312 Elbow(s)
313 Forearm(s)
318 Multiple arm(s) locations
319 Arm(s), n.e.c.

32 Wrist(s)

This major group classifies the region between the forearm and the hand.

When the nature of injury or illness named is carpal tunnel syndrome, select this code. Select this code whether the injury or illness involves wrist(s) from the right, left, or both arms.

If the nature of injury or illness named is amputation, and the point of amputation is the wrist, select Hand(s), except finger(s), code 33.

33 Hand(s), except finger(s)

This major group classifies the part of the upper extremity at the end of the forearm. Select this code whether the injury or illness involves hand(s) from the right, left, or both arms.

If the nature of injury or illness named is amputation, and the point of amputation is the wrist or hand, select this code. If the only information on the source document is hand, with no mention of fingers being included or excluded, select this code.

Includes: knuckles and the areas between the fingers

Excludes: fingers (34) and wrist (32)

34 Finger(s), fingernail(s)

This major group classifies the digits of the hand.

Select this code whether the injury or illness involves finger(s) from the right, left, or both hand(s).

Includes: distal phalanx (phalanges), medial phalanx (phalanges), proximal phalanx (phalanges), thumb
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<td>Multiple upper extremities locations</td>
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<tr>
<td></td>
<td>This major group classifies combinations of differing parts of the body within this division.</td>
<td></td>
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<tr>
<td>380</td>
<td>Multiple upper extremities locations, unspecified</td>
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</tr>
<tr>
<td>381</td>
<td>Hand(s) and finger(s)</td>
<td>combinations of at least one hand and one finger</td>
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<tr>
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<td>Hand(s) and wrist(s)</td>
<td>combinations of at least one hand and one wrist</td>
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<tr>
<td>383</td>
<td>Hand(s) and arm(s)</td>
<td>combinations of at least one hand and one arm</td>
</tr>
<tr>
<td>389</td>
<td>Multiple upper extremities locations, n.e.c.</td>
<td></td>
</tr>
<tr>
<td>39</td>
<td>Upper extremities, n.e.c.</td>
<td></td>
</tr>
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</table>

* Asterisks indicate division, major group, or group titles.
4* LOWER EXTREMITIES

This division classifies the appendages that are bounded by the hip to the top with the toes as the lowermost part included.

Includes: bones, cartilage, muscles, skin, subcutaneous tissue, veins and arteries (See the alphabetical listing for specific muscle and bone names.)

40 Lower extremities, unspecified

41* Leg(s)

This major group classifies the lower extremities between the hip and the ankle.

If the injury or illness involves the same part of the left, right, or both legs, select a code from this major group.

If the nature of injury or illness named is amputation, and the point of amputation is knee, select Lower leg(s), code 413.

410 Leg(s), unspecified
411 Thigh(s)
412 Knee(s)
413 Lower leg(s)
418 Multiple leg(s) locations
419 Leg(s), n.e.c.

42 Ankle(s)

This major group classifies the hinge joint area between the foot and the lower leg.

Select this code if the injury or illness involves the left, right, or both ankles.

If the nature of injury or illness named is amputation, and the point of amputation is ankle, select Foot (feet), n.e.c., code 439.

43* Foot(feet), except toe(s)

This major group classifies the final or lowest extremity of the leg.

Select this code if the injury or illness involves the left, right, or both feet.

If the nature of injury or illness named is amputation and the point of amputation is foot, select Foot(feet), n.e.c., code 439. If the source document states foot, with no mention of toes being included or excluded and the nature of injury or illness is not amputation, select Foot(feet), except toe(s), unspecified, code 430.

Includes: the areas between the toes

430 Foot(feet), except toe(s), unspecified
431 Instep(s)
432* Sole(s)
   4320 Sole(s), unspecified
   4321 Ball(s)
   4322 Arch(es)
   4323 Heel(s)
   4328 Multiple sole(s) locations
   4329 Sole(s), n.e.c.

438 Multiple foot(feet) locations
439 Foot(feet), n.e.c.
44  Toe(s), toenail(s)

This major group classifies the digits of the foot.

Select this code whether the injury or illness involves toe(s) from the left, right, or both feet.

48*  Multiple lower extremities locations

This major group classifies combinations of differing parts of the body within this division.

480  Multiple lower extremities locations, unspecified

481  Foot(feet) and leg(s)

*Includes: combinations of at least one foot and one leg

482  Foot(feet) and ankle(s)

*Includes: combinations of at least one foot and one ankle

483  Foot(feet) and toe(s)

*Includes: combinations of at least one foot and one toe

489  Multiple lower extremities locations, n.e.c.

49  Lower extremities, n.e.c.
This division classifies the various systems of the body. This code applies when the functioning of an entire body system has been affected without specific injury to any other part of the body. It does not apply when the systemic damage results from an external injury affecting an external part such as a back injury that includes damage to the nerves of the spinal cord. Nor does it apply when the injury or illness is localized and affects a particular internal organ. If the nature of injury or illness selected is a subset of the Systemic Diseases or Disorders (Division 1), the part of body affected is not necessarily body systems. Generally neoplasms will be coded to the individual body part (or organ) rather than body systems.
8  MULTIPLE BODY PARTS

This division classifies multiple body parts from two or more divisions.

*- Asterisks indicate division, major group, or group titles.
9* OTHER BODY PARTS

This division classifies any parts of the body which are not classified or listed under any other division.

91 Prosthetic devices

This major group classifies synthetic, mechanical, and otherwise artificial device(s) that replace or enhance missing or malfunctioning human body part(s).

Select this code when only a prosthetic device(s) is involved; otherwise select the human part of body affected.

Includes: corrective lens(es), denture(s), artificial eye(s), hearing aid(s), and artificial limb(s)

98 Other body parts, n.e.c.

This major group classifies any human parts of the body which are not classified or listed under any other division.

9999 Nonclassifiable

*- Asterisks indicate division, major group, or group titles.
SECTION 2.3

Source of Injury or Illness;

Secondary Source of Injury or Illness

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2.3.1 Source of Injury or Illness—Definition, Rules of Selection

The source of injury or illness identifies the object, substance, bodily motion, or exposure which directly produced or inflicted the previously identified injury or illness.

3.0 DEFINITION

The source of injury or illness identifies the object, substance, bodily motion, or exposure which directly produced or inflicted the previously identified injury or illness.

RULES OF SELECTION:

3.1 Name as the source of injury or illness the object, substance, element, or bodily motion which directly produced the injury or illness previously identified in the nature of injury or illness classification.

3.2 If the injury or illness was inflicted by a specific part of a machine, tool, or vehicle, name the whole machine, tool, or vehicle as the source of injury except when the part separated from or was independent of the "whole." In these instances, code that part as source.

3.3 If the injury or illness was inflicted by a specific part of a structure (window, door, stairs) name that part as the source of injury.

3.4 When an injury or illness was produced by a filled container, name the container, not the contents, as the source unless the injury or illness was directly inflicted by the contents, such as hot liquids or chemicals.

3.5 Coding Bodily motion or position as the source of injury or illness:

3.5.1 Name Bodily motion or position as the source of injury or illness only when the injury resulted solely from the stress or strain induced by the free movement of the body or its parts (voluntary or involuntary), or from the assumption of a strained or unnatural body position.

Bodily motion or position includes injuries or illnesses resulting from reaching, turning, twisting, bending, walking, climbing, running, and from efforts to recover from a loss of equilibrium, provided that the loss of equilibrium does not result in a fall or in forcible contact with an object above the working surface.

Do not name Bodily motion or position as the source of injury or illness if the injury or illness resulted from any of the following:

1) falling
2) bumping into or striking an external object
3) nonrepetitive lifting, pushing, pulling, wielding, or throwing an external object
2.3.1 Source of Injury or Illness--Rules of Selection (continued)

3.5.2 For injuries or illnesses in which either **Repetitive motion** or **Sustained viewing** is coded as the event, select bodily motion or position as the source of injury or illness.

3.6 If, as the result of a **transportation accident**, a person who was in or on a **vehicle or mobile equipment** is injured, name the vehicle or mobile equipment as the source of injury.

3.7 Selecting Source from **multiple objects or substances**:

3.7.1 When an injury results from forcible contact with two or more objects, either simultaneously or in rapid sequence, and it is impossible to determine which object directly produced the injury, select the source as follows:

1) When the choice is between a moving object and a stationary object, select the moving object. **Example**: If a person is struck by a moving vehicle and thrown against a post, name the vehicle as the source of injury.

2) When the choice is between two moving objects or between two stationary objects, select that which was contacted last. **Example**: If a person falls from an elevator, striking one or more objects in the course of his fall, but finally striking the floor, name the floor surface as the source of injury.

3.7.2 When an injury or illness results from two or more different objects or substances, all of which contributed to producing the injury or illness, select the source code as follows:

1) When there are two substances from the Chemical Division, select the appropriate "Multiple" code for that combination of chemicals.

2) When the two objects or substances are in the same Division, select the Divisional n.e.c. code for that Division. If they are in the same group within a division, select the group n.e.c.

3) When the two objects or substances are not in the same Division, use the code for **Other sources, n.e.c**.

3.8 Select **Weather and atmospheric conditions** or geological events--**Floods, Earthquakes, Avalanches**--as the source of injury or illness when that is the only possible source identified.

For example, if a worker sustained multiple injuries in an earthquake, and no other source could be determined, select earthquake as the source of injury. However, if an employee were driving in a rainstorm and had an automobile accident resulting in injury, select vehicle as the source.
Secondary Source of Injury or Illness—Definition, Rules of Selection

The secondary source of injury or illness identifies the object, substance, or person that generated the source of injury or illness or that contributed to the event or exposure.

5.0 DEFINITION

The secondary source of injury or illness identifies the object, substance, or person that generated the source of injury or illness or that contributed to the event or exposure.

RULES OF SELECTION:

5.1 Use the Source of Injury or Illness Classification Structure for coding secondary source of injury or illness.

5.2 When the source of injury or illness is a moving object or harmful substance, name the machine, tool or equipment which generated the source or which propelled it. If none, name the work object from which the source originated, such as the steel plate from which a metal chip fell. Exceptions to this rule for Fires, Explosions, Assaults, and Transportation Accidents are noted below.

When the source is an infectious agent, name the object or person through which the agent was transmitted.

5.3 When involuntary motion leads to an injury or illness—such as when a worker slips, trips, or is pushed or pulled into an object—name the object or substance, other than source, which contributed to the involuntary motion. Examples of objects and substances that could contribute to involuntary motion include clothing, jewelry, or cleaning cloths that pulled the worker into a machine, and substances such as ice, water, or grease that a worker slipped on.

If no other contributing factor is named for incidents involving falls to lower levels, name the surface or object from which the worker fell.

5.4 If the event is Fires or Explosions, name the flammable substance, other than the source, that ignited or exploded. If none is noted, name the machine, equipment, or object, other than the source, that caught fire or exploded.

5.5 If the event is Assaults and Violent Acts, name the person, if not the source, who committed the act.

5.6 If the event is Repetitive motion or Sustained viewing, name the machine, tool, or equipment that was being used or handled.
5.7 If the event is a **Transportation Accident** involving a collision, name the vehicle, machine, or object with which the source collided.

5.8 In the absence of a specific rule above, if **two objects or substances** contributed to an event, name the object, or substance which was not selected as the source. If more than two objects, substances, other than source, are involved, select:

- powered or energized objects over nonpowered objects,
- moving objects over nonmoving objects,
- objects actively contributing to the event over passive objects.

5.9 Select **Weather and atmospheric conditions** or geological events—**Floods, Earthquakes, Avalanches**—as the secondary source of injury or illness when that is the only possible secondary source identified.

*For example, if a worker sustained multiple injuries when struck by an object in an earthquake, select earthquake as the secondary source.*

5.10 If **no object, substance, or person** is determined to meet the definition and rules listed above, no secondary source is selected.
2.3-6

2.3.3 Source of Injury or Illness; Secondary Source of Injury or Illness--Titles and Descriptions

The Source of Injury or Illness code structure is arranged in ten divisions, 0 through 9. Division 9 contains codes for classifying sources that are not classified or listed under any of the other divisions. The Secondary Source of Injury or Illness uses the Source of Injury or Illness titles and descriptions.

Source of Injury or Illness code description pages are numbered from Ds-1 through Ds-96 (the "D" meaning "description, the "s" meaning "source").

The divisions are identified by title at the top right corner of each page.

The Source of Injury or Illness divisions are arranged as follows:

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CHEMICALS AND CHEMICAL PRODUCTS

This division includes chemicals and chemical products in various states—liquids, gas, fumes, vapors, and solids. In general, the specific chemical code (major groups 01-05, 08, and 09) should be used when the specific chemical or type of chemical is known. When only the type of product is known, the appropriate code for the product (major groups 06-07) should be used.

Unspecified vapors or fumes—either toxic or nontoxic—that are not the product of combustion should be coded in Division 0. Carbon monoxide resulting from the incomplete combustion of fuels or contained in motor vehicle exhaust gas, blast furnace gas, or kiln vapor is coded 0941, carbon monoxide.

Includes: Acids; alkalies; aromatics and hydrocarbon derivatives; halogens and their compounds; metallic dusts, powders and fumes; agricultural chemicals and pesticides; coal, natural gas, petroleum fuels and products; and other chemicals and chemical products.

Excludes: Tars and sealants (46); metallic minerals (54); nonmetallic minerals, except fuels (55); smoke and fire gases (9342); scrap, waste, debris (95) unless specified as chemical; and nonchemical steam and vapors (96).

00 Chemicals and chemical products, unspecified

01* Acids

This group includes acids of various types.

Includes: Acid gases--halogen; inorganic acids--halogen; inorganic acids--other; and organic acids.

Excludes: Benzoic and phenylacetic acids (as herbicides) (064); LSD (0742).

010 Acids, unspecified

011* Acid gases--halogen

Acid gases--halogen, which are halogen gases that form an acid when dissolved in water, are included in this category.

0110 Acid gases, unspecified

0111 Hydrogen bromide

Anhydrous hydrobromic acid

0112 Hydrogen chloride

Anhydrous hydrochloric acid

Chlorohydric acid

Hydrochloric acid gas

0113 Hydrogen fluoride

Anhydrous hydrofluoric acid

Fluorohydric acid gas

Hydrofluoric acid gas

0114 Hydrogen iodide

Anhydrous hydriodic acid

Hydriodic acid gas

0119 Acid gases, n.e.c.
012* Inorganic acids—halogens

Included in this group are simple inorganic acids involving the halogens—bromine, chlorine, fluorine, iodine, and astatine. Certain acids containing chlorine—perchloric, chloric, chlorous, and hypochlorous acids—are coded under 0131, chlorine containing oxyacids. Other inorganic acids are coded under 013.

0120 Inorganic acids—halogens, unspecified

0121 Hydriodic acid
   Aqueous hydrogen iodide

0122 Hydrobromic acid
   Aqueous hydrogen bromide

0123 Hydrochloric acid
   Aqueous hydrogen chloride
   Muriatic acid

0124 Hydrofluoric acid
   Aqueous hydrogen fluoride

0129 Inorganic acids—halogens, n.e.c.

013* Inorganic acids—other

This group includes inorganic acids with the exception of the simple halogen inorganic acids, which are coded under 012.

0130 Inorganic acids, unspecified

0131 Chlorine-containing oxyacids
   Chloric acid
   Hypochlorous acid
   Chlorous acid
   Perchloric acid

0132 Nitric acid
   Aqua fortis
   Red fuming nitric acid (RFNA)
   White fuming nitric acid (WFNA)

0133 Phosphoric acid

0134 Sulfuric acid
   Battery acid

0139 Inorganic acids, n.e.c.
   Arsenic acid
   Dithionic acid
   Orthoperiodic acid
   Arsenous acid
   Dithionous acid
   Orthosilicic acid
   Bromic acid
   Hypobromous acid
   Orthotelluric acid
   Bromous acid
   Hypoiodous acid
   Perchromic acid
   Carbonic acid
   Hypophosphorous acid
   Periodic acid
   Chlorosulfonic acid
   Hyponitrous acid
   Permanganic acid
   Chromic acid
   Hyposulfurous acid
   Pertechnic acid
   Cyanic acid
   Iodic acid
   Phosphorous acid
   Dichloroacetic acid
   Isocyanic acid
   Rhenic acid
   Dichromic acid
   Manganic acid
   Selenic acid
   Dichlorpropionic acid
   Metaboric acid
   Sulfurous acid
   Diphosphoric acid
   Metasillic acid
   Sulfurous acid
   Diphosphorous acid
   Nitrous acid
   Technetic acid
   Disulfuric acid
   Nitroxylic acid
   Triphosphoric acid
   Disulfurous acid
   Orthoboric acid

* - Asterisks indicate division, major group, or group titles.
014* Organic acids

This group contains the organic acids such as acetic acid, the acrylic acids, the carbolic acids, hydrocyanic acid, peracetic acid, and picric acid, among others. Inorganic acids are coded under 012 and 013. Acid gases are under 011.

0140 Organic acids, unspecified

0141 Acetic acid, vinegar

0142 Acrylic acids

Acrylic acid
Methacrylic acid

0143 Carboxylic acids

Phenol

0144 Hydrocyanic acid

0145 Peracetic acid

0146 Picric acid

Carbazotic acid
Nitrooxanitic acid
Trinitrophenol
Phenol trinitrate

0149 Organic acids, n.e.c.

Acetysalicylic acid
Iodoacetic acid
Adipic acid
Isobutyric acid
Alkanesulfonic acid
Isopentoic acid
Benzaic acid
Lauric acid
Bromoaetic acid
Monofluorophosphoric acid
Butyric acid
Oleic acid
Capric acid
Oxalic acid
Caproic acid
Nitrohydrochloric acid
Caprylic acid
Palmitic acid
Chloroaetic acid
Performic acid
Chlorobutyrlic
Persulfuric acid
Chloroisocyanuric acid
Phthalic acid
Chloropropionic acid
Phenylacetic acid
Cyanoacetic
Phenylstearic acid
Etching acid, liquid, n.o.s.
Propionicc acid
Fluoroboric acid
Salicylic acid
Fluoroacetic acid
Sebacic acid
Flurosulfonic acid
Stearic acid
Formic acid
Thioglycolic acid
Hexafluorophosphoric acid
Trichloracetic acid
Hexanoic acid
Valeric acid
Hydrofluorosilicic acid

018 Multiple acids

019 Acids, n.e.c.

02* Alkalies

This major group includes chemicals commonly known as alkalies, bases, or caustics. Caustic, unspecified should be coded as 0200. Wet and dry cement mix, mortar, and lime (except for chlorinated lime) are included under 021. Calcium hydroxides, calcium oxides. Lye and products, such as drain and oven cleaners that contain lye are included under 024, sodium and potassium hydroxide, potassium carbonate. Chlorinated lime is included under chlorine, code 0422. Limestone is coded under Carbonates--calcium, sodium, code 022.

* - Asterisks indicate division, major group, or group titles.
**Includes:** Calcium hydroxides, calcium oxides, calcium and sodium carbonates, dry/wet cement, lime, lithium hydroxide, sodium and potassium hydroxide, potassium carbonate

**Excludes:** Chlorinated lime (0422); nonlye oven cleaners.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>020</td>
<td>Alkalies, unspecified</td>
</tr>
<tr>
<td>021*</td>
<td>Calcium hydroxides, calcium oxides</td>
</tr>
<tr>
<td>0210</td>
<td>Calcium hydroxide, calcium oxide, unspecified</td>
</tr>
<tr>
<td>0211</td>
<td>Cement, mortar mix--dry</td>
</tr>
<tr>
<td>0212</td>
<td>Cement, mortar mix--wet</td>
</tr>
<tr>
<td>0213</td>
<td>Lime</td>
</tr>
<tr>
<td></td>
<td><em>Burnt lime</em></td>
</tr>
<tr>
<td></td>
<td><em>Quick lime</em></td>
</tr>
<tr>
<td></td>
<td>Calx</td>
</tr>
<tr>
<td></td>
<td>Slaked lime</td>
</tr>
<tr>
<td></td>
<td><em>Fluxing lime</em></td>
</tr>
<tr>
<td></td>
<td>Unslaked lime</td>
</tr>
<tr>
<td></td>
<td>Pebble lime</td>
</tr>
<tr>
<td>0219</td>
<td>Calcium hydroxide, calcium oxides, n.e.c.</td>
</tr>
<tr>
<td>022*</td>
<td>Carbonates--calcium, sodium</td>
</tr>
<tr>
<td>0220</td>
<td>Carbonates--calcium, sodium, unspecified</td>
</tr>
<tr>
<td>0221</td>
<td>Limestone, calcium carbonate</td>
</tr>
<tr>
<td>0222</td>
<td>Sodium bicarbonate, baking soda</td>
</tr>
<tr>
<td>0223</td>
<td>Sodium carbonate, soda ash</td>
</tr>
<tr>
<td>0229</td>
<td>Carbonates, n.e.c.</td>
</tr>
<tr>
<td>023</td>
<td>Lithium hydroxide</td>
</tr>
<tr>
<td>024</td>
<td>Sodium and potassium hydroxide, potassium carbonate</td>
</tr>
<tr>
<td></td>
<td><em>Caustic potash</em></td>
</tr>
<tr>
<td></td>
<td><em>Potassium hydroxide</em></td>
</tr>
<tr>
<td></td>
<td><em>Caustic soda</em></td>
</tr>
<tr>
<td></td>
<td><em>Sodium hydroxide</em></td>
</tr>
<tr>
<td></td>
<td><em>Lye</em></td>
</tr>
<tr>
<td></td>
<td><em>White potash</em></td>
</tr>
<tr>
<td></td>
<td><em>Potassium carbonate</em></td>
</tr>
<tr>
<td>028</td>
<td>Multiple alkalies</td>
</tr>
<tr>
<td>029</td>
<td>Alkalies, n.e.c.</td>
</tr>
<tr>
<td>03*</td>
<td>Aromatics and hydrocarbon derivatives, except halogenated</td>
</tr>
</tbody>
</table>

This major group includes alcohols, aldehydes, amines, aromatics, ethers, ketones, peroxides, and nitrohydrocarbons, except for those containing the halogens--chlorine, fluorine, bromine, iodine, or astatine. Halogenated compounds are included under major group 04, Halogens and halogen compounds.

**Includes:** Alcohols, antifreeze, aldehydes, amines--nonaromatic, aromatics, ethers, ketones, peroxides

**Excludes:** Aromatics and hydrocarbon derivatives containing halogens (04)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>030</td>
<td>Aromatics and hydrocarbon derivatives, except halogenated, unspecified</td>
</tr>
</tbody>
</table>
031* Alcohols

This category includes various types of alcohols. Antifreeze and radiator coolant are included in this category as a separate subcategory (0311). Category 031 should be used to code alcohol as the source of injury incurred during the manufacture of alcoholic beverages. Alcoholic beverages, code 0741, should be selected when alcohol is used as a beverage.

0310 Alcohol, unspecified

0311 Antifreeze

Radiator coolant
Radiator fluid

0312 Ethanol

Cologne spirit
Ethyl alcohol
Ethyl hydrate
Ethyl hydroxide

0313 Ethylene glycol

1,2-Ethanediol
Glycol
Glycol alcohol
EG

0314 Fusel oil

Amyl alcohol
Butyl alcohol

0315 Methanol

Carbinol
Methyl alcohol

0316 Propanol

Dimethyl carbinol
Isopropanol
Isopropyl alcohol

0319 Alcohol, n.e.c.

Allyl alcohol
Glycerol
n-butyl alcohol
Pentyl alcohols

032* Aldehydes

This category includes acrolein, formaldehyde, acetaldehyde, formalin, and the other aldehydes. Ketones are coded under 036.

0320 Aldehyde, unspecified

0321 Acetaldehyde

Acetic aldehyde
Aldehyde

0322 Acrolein

Acraldehyde
Acrylic aldehyde

0323 Formaldehyde

Formic aldehyde
Methyl alcohol
Methylene oxide

0324 Formalin

* - Asterisks indicate division, major group, or group titles.
### 0329 Aldehydes, n.e.c.
- Butyraldehyde
- 2-Furaldehyde
- Furol
- Furfural
- Furfuraldehyde
- Propionaldehyde
- Pyromucic aldehyde

### 033* Amines--nonaromatic

This group includes the nonaromatic amines only. Aniline and the other aromatic amines are coded as 0341.

<table>
<thead>
<tr>
<th>0330</th>
<th>Nonaromatic amines, unspecified</th>
</tr>
</thead>
<tbody>
<tr>
<td>0331</td>
<td>Methyl amine</td>
</tr>
<tr>
<td>0339</td>
<td>Nonaromatic amines, n.e.c.</td>
</tr>
</tbody>
</table>
- Butyl amine
- Ethyl amine
- Isopropyl amine
- Propyl amine

### 034* Aromatics

This group contains the cyclical hydrocarbons based on the benzene ring. They are also known as the aromatics. The aromatic amines are included in this group. The nonaromatic amines are coded under 033.

<table>
<thead>
<tr>
<th>0340</th>
<th>Aromatics, unspecified</th>
</tr>
</thead>
<tbody>
<tr>
<td>0341</td>
<td>Aniline and other aromatic amines</td>
</tr>
</tbody>
</table>
- 2-Acetylaminofluorene
- alpha-, beta-
- Naphthylamine
- Aminobenzene
- Aminodiphenyl
- Benzidine
- Butter yellow
- 2-Chloroaniline
- 4-Dimethylaminoazobenzene
- 3,3'-Dichlorobenzidine
- Methyl yellow
- Moca

<table>
<thead>
<tr>
<th>0342</th>
<th>Benzene</th>
</tr>
</thead>
</table>
- Benzol
- Benzole
- Coal naptha
- Cyclohextriene
- Phene
- Phenyl hydride

<table>
<thead>
<tr>
<th>0343</th>
<th>Toluene</th>
</tr>
</thead>
</table>
- Methylbenzene
- Methylbenzol
- Phenylmethane
- Toluol

<table>
<thead>
<tr>
<th>0344</th>
<th>Xylene</th>
</tr>
</thead>
</table>
- Dimethylbenzene
- Xylol

<table>
<thead>
<tr>
<th>0349</th>
<th>Aromatics, n.e.c.</th>
</tr>
</thead>
</table>

### 035* Ethers

This group includes various types of ether. Anesthetic ether is coded under 0351.

<table>
<thead>
<tr>
<th>0350</th>
<th>Ethers, unspecified</th>
</tr>
</thead>
<tbody>
<tr>
<td>0351</td>
<td>Diethyl ether</td>
</tr>
</tbody>
</table>
- Anesthetic ether
- Diethyl oxide
- Ether
- Ethoxyethane
- Ethyl ether
- Ethyl oxide

* - Asterisks indicate division, major group, or group titles.
0352  Dimethyl ether  
      *Methyl ether*

0353  Ethylene oxide  
      *Anprolene 1,2-Epoxyethane*  
      *Dimethylene oxide Oxirane*

0354  Methyl ethyl ether

0355  Vinyl ether

0359  Ethers, n.e.c.  
      *Dioxane*

036*  Ketones

This group includes acetone, mesityl oxide, methyl ethyl ketone (MEK), as well as other ketones.

0360  Ketones, unspecified

0361  Acetone  
      *Dimethyl ketone 2-Propanone*  
      *Propanone Pyroacetic ether*

0362  Mesityl oxide

0363  Methyl ethyl ketone  
      *Butanone MEK*  
      *Ethyl methyl ketone*

0364  Methyl n-butyl ketone  
      *2-hexanone MBK*  
      *Propyl acetone*

0369  Ketones, n.e.c.  
      *Diacetone Methyl isobuyl ketone*  
      *Diacetone alcohol Methyl n-propyl ketone*

037*  Peroxides

Included in this group are peroxides. Bleaching agents including hair bleach that contain hydrogen peroxide are included in 0372. Unspecified hair bleaches and dyes are included in 0721, Hair preparations.

0370  Peroxides, unspecified

0371  Benzoyl peroxide

0372  Hydrogen peroxide

0373  Lithium peroxide

0374  Potassium peroxide

0375  Sodium peroxide

0379  Peroxides, n.e.c.

038  Multiple aromatics and hydrocarbon derivatives, except halogenated, n.e.c.
039* Aromatics and hydrocarbon derivatives, except halogenated, n.e.c.

0391 Nitro hydrocarbons
   Acridine
   Aliphatic and organic nitrogen compounds
   Dinitrobenzene
   Dinitro-o-cresol
   Dinitrophenol (DNP)
   Dinitrotoluene (DNT)
   Hydrazine
   4-Nitrobiphenyl
   Nitroethane
   2-Nitropropane

0399 Other aromatics and hydrocarbon derivatives, except halogenated, n.e.c.

04* Halogens and halogen compounds

This major group contains the halogens—bromine, chlorine, fluorine, iodine, and astatine—and their compounds. Halogenated hydrocarbons, such as carbon tetrachloride, and the fluorocarbons are included in this group. Compounds containing both fluorine and chlorine should be coded under Fluorine and fluorine compounds, 043.

Vinyl chloride and polyvinyl chloride are included under plastics, resins, code 095. Chlorinated hydrocarbons used as insecticides should be classified under that category, code 0652. Acids containing the halogens are included under major group 01, Acids.

Includes: Bromine and bromine compounds, chlorine and chlorine compounds, fluorine and fluorine compounds, iodine and iodine compounds

Excludes: Acids containing halogens (011, 012); insecticides (065); nonchlorine bleaches (0731 or 0372); vinyl chloride, polyvinyl chloride (0954).

040 Halogens and halogen compounds, unspecified

041* Bromine and bromine compounds

0410 Bromine compounds, unspecified
   0411 Bromine
   0412 Ethylene dibromide
   0413 Methyl bromide
   0414 Potassium bromide
   0419 Bromine and bromine compounds, n.e.c.

042* Chlorine and chlorine compounds

0420 Chlorine compounds, unspecified
   0421 Carbon tetrachloride
   0422 Chlorine, chlorine bleach
   0423 Methyl chloride
   Chloromethane
   0424 Pentachlorophenol
   0425 Perchloroethylene
   0426 Polychlorinated biphenyls (PCBs)
   0427 Trichloroethylene
   0429 Chlorine compounds, n.e.c.
   Calcium chloride
   Ethyl chloride
   Chloroethane
   Methylene chloride
   Chloroform
   Phosgene
   Dichloromethane

043* Fluorine and fluorine compounds

0430 Fluorine compounds, unspecified
   0431 Fluorine

* - Asterisks indicate division, major group, or group titles.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
</table>
| 0432 | Fluorotrichloromethane  
  *Freon*  
  Monofluorotrichloromethane  
  Trichlorofluoromethane  
  Trichlormonofluoromethane  
  Refrigerant 11 |
| 0433 | Fluorocarbons, n.e.c. |
| 0434 | Methyl fluoride |
| 0439 | Fluorine compounds, n.e.c. |
| 044 | Iodine and iodine compounds |
| 048 | Multiple halogens and halogen compounds |
| 049 | Halogens and halogen compounds, n.e.c.  
  *Astatine and compounds* |
| 05* | Metallic particulates, trace elements, dusts, powders, fumes |

This group includes metallic fumes, particulates, and liquid solutions other than molten metals. Welding fumes as well as fumes from other heating or smelting processes are included. When the injury is due to solid metal ores, or due to the radiation properties of a metal, use Metallic minerals, code 54.

Finished metal products should be coded under the appropriate functional category.

*Includes:* Arsenic, arsenic compounds, beryllium and beryllium compounds, cadmium and cadmium compounds, lead and lead compounds, mercury and compounds, aluminum and aluminum compounds, antimony, chromium and chromium compounds, iron and iron compounds, magnesium and magnesium compounds, manganese, nickel and nickel compounds, zinc and zinc compounds, welding or soldering fumes, unspecified or n.e.c.

*Excludes:* Finished metal products; molten or solid metals; radiating metals (542); coal dust (081); grain dust (525); and other nonmetallic dusts (95).

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>050</td>
<td>Metallic particulates, trace elements, dusts, powders, fumes, unspecified</td>
</tr>
<tr>
<td>051</td>
<td>Arsenic, arsenic compounds</td>
</tr>
<tr>
<td>052</td>
<td>Beryllium and beryllium compounds</td>
</tr>
<tr>
<td>053</td>
<td>Cadmium and cadmium compounds</td>
</tr>
<tr>
<td>054*</td>
<td>Lead and lead compounds</td>
</tr>
</tbody>
</table>

This group includes both organic and inorganic lead compounds. When it cannot be determined whether the substance is organic or inorganic, use code 0540, Lead and lead compounds, unspecified.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0540</td>
<td>Lead and lead compounds, unspecified</td>
</tr>
</tbody>
</table>
| 0541 | Inorganic lead compounds  
  *Lead dioxide*  
  *Lead oxide*  
  *Lead salts*  
  *Lead soaps* |
| 0542 | Organic lead compounds  
  *Alkyl lead*  
  *Lead acetate*  
  *Tetraethyl lead*  
  *Tetramethyl lead*  
  *Lead arsenate* |
| 0549 | Lead and lead compounds, n.e.c. |

* - Asterisks indicate division, major group, or group titles.
055  Mercury and compounds

056*  Other metallics and compounds

0561  Aluminum and aluminum compounds
0562  Antimony
0563  Chromium and chromium compounds
0564  Iron and iron compounds
0565  Magnesium and magnesium compounds
0566  Manganese
0567  Nickel and nickel compounds
0568  Zinc and zinc compounds
0569  Other metallics and compounds, n.e.c.

057  Welding or soldering fumes, unspecified or n.e.c.

This category includes fumes and vapors from the welding, brazing, soldering, and cutting of galvanized steel as well as other metals, with the exception of lead. Fumes containing lead compounds should be coded under Lead and lead compounds, code 054. Fumes given off by other heat processes including smelting should be coded under the appropriate metal compound, if known. If unknown, the unspecified category 050 should be used.

058  Multiple metallics and metallic compounds

059  Metallic particulates, trace elements, dusts, powders, fumes, n.e.c.

06*  Agricultural chemicals and other pesticides

This category includes such substances as insecticides, pesticides, herbicides, fumigants, rodenticides, and fungicides. These substances should be coded in this category whether used in the agricultural and horticultural industries, by commercial exterminating and pest control companies or by companies in other industries. Mixtures of plant foods and fertilizers with herbicides are coded under 064, herbicides. Only fertilizers not elsewhere classifiable should be included in code 061. An unspecified pesticide should be coded 0600.

Lime should be classified under code 021, Calcium hydroxide, calcium oxide. Ammonium compounds should be classified under code 091.

Includes:  Fertilizers and plant food, n.e.c.; fumigants, n.e.c.; fungicides; herbicides; insecticides; rodenticides

Excludes:  Ammonium compounds (091); calcium hydroxide, calcium oxide, lime (021).

060  Agricultural chemicals and other pesticides, unspecified

061  Fertilizers, plant food, n.e.c.

This category includes fertilizers and plant foods not elsewhere classifiable. Mixtures of fertilizers and plant foods with herbicides are included under 064, Herbicides.

MH  Muriate of potash
SH  Superphosphates

062  Fumigants, n.e.c.

Included in this category are substances in the form of "smoke" or fumes used as an exterminating agent and that are not classifiable elsewhere. Fumigants used as disinfecting agents are classified under code 0732, if the specific chemical is unknown.
### 063 Fungicides

Included in this category are the various substances used to destroy or control the growth of fungi within an agricultural or horticultural setting. Fungicides used in other commercial or industrial settings should be coded under Cleaning and polishing agents, code 073.

<table>
<thead>
<tr>
<th>Thiocarbamates</th>
<th>Organic mercurials (used in seed dressing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ferban</td>
<td>Pentachlorophenols</td>
</tr>
<tr>
<td>Maneb</td>
<td>Zineb</td>
</tr>
<tr>
<td>Nabam</td>
<td>Ziram</td>
</tr>
</tbody>
</table>

### 064* Herbicides

Chemicals in this category are used to control plant growth of various types. This category includes weed killers. Also included in this category are mixtures of plant foods and fertilizers with herbicides.

#### 0640 Herbicides, unspecified

- **Weed killer**

#### 0641 Benzoic and phenylacetic acids

<table>
<thead>
<tr>
<th>Chlorfenec</th>
<th>2,4-D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dicamba</td>
<td>2, 4-DEP</td>
</tr>
<tr>
<td>Erbon</td>
<td>2,4,5-T</td>
</tr>
<tr>
<td>MCPA</td>
<td>2,3,6-TBA</td>
</tr>
<tr>
<td>MCPB</td>
<td>2, 4, 5-Trichlorophenoxyacetic acid (2, 4, 5-T)</td>
</tr>
<tr>
<td>Silvex</td>
<td>(2,4,5-trichlorophenoxy) propionic acid</td>
</tr>
<tr>
<td></td>
<td>4-chloro-2-methylphenoxyacetic acid</td>
</tr>
</tbody>
</table>

#### 0642 Bipyridyls

- Diquat
- Paraquat

#### 0643 Carbamate and thiocarbamate herbicides

- Vapam

#### 0644 Dinitro compounds

- Dinosam (DNAP)
- Dinitro-orthoeresol (DNOC)
- Dinoseb (DNBP)

#### 0645 Phenols

- Pentachlorophenol

#### 0646 Triazines

- Atrazine
- Simazine
- 2-chloro-4, 6-bis(ethylamino)-S-triazine

#### 0649 Herbicides, n.e.c.

- Agent orange
- Chlorates
- Crag herbicide
- Delapon
- Diuron
- Fenuron
- Mixtures of plant foods and fertilizers with herbicides
- Monuron

### 065* Insecticides

This category includes various chemicals used to control insects and is broken down into organochlorine compounds or chlorinated hydrocarbons; organophosphorus compounds; carbamates; and other compounds. When insecticides from two or more of these categories produced the injury or illness, code 0658 should be used.

#### 0650 Insecticides, unspecified

* - Asterisks indicate division, major group, or group titles.
0651 Carbamate insecticides
- Aldicard
- Baygon
- Carbaryl (Sevin)
- Dicarbate
- Thiram
- Vapam
- Zectran
- Propoxur

0652 Organochlorine compounds
- Benzene hexachloride (BHC)
- Dieldrin
- Lindane
- Chlordane
- Endrin
- Mirex
- DDT
- Heptachlor
- Thiodan
- Dicofol (Kelthane)
- Kepone
- Toxaphene

0653 Organophosphorus compounds
- Abate
- Dursban
- Mevinphos
- Bidrin
- EPN
- Organophosphates
- DDVP (Vapona)
- Ethion
- Parathion
- Demeton
- Fenthion (Baytex)
- Phenyl sulfition
- Diazinon
- Gardona
- Phorate
- Dibrom (Naled)
- Guthion
- Phosdrin
- Dicarlon
- Malathion
- Supracide
- Dicamox (Cygon)
- Metasystox
- Systox
- Thimet
- Methyl parathion
- TEPP

0658 Multiple insecticides

0659 Insecticides, n.e.c.
- Kerosene insecticides
- Pyrethrum
- Nicotine
- Rotenone

066 Rodenticides
- Coumarins
- Pival (Pivalyn)
- Strychnine
- Diphacin
- PMP
- Thallium sulfate
- Fluoroacetates
- Sodium Fluoroacetate
- Valone
- Indandiones
- Squill and derivatives
- Warfarin
- Zinc phosphide

068 Multiple agricultural and horticultural chemicals
- This category includes combinations of agricultural and horticultural chemicals or pesticides, when these chemicals are classifiable under two or more different 3-digit categories. Excluded from this category are mixtures of fertilizers or plant foods and herbicides which are coded under 064, Herbicides.

069 Agricultural and horticultural chemicals, n.e.c.
- This category includes other agricultural chemicals and pesticides not classifiable elsewhere.

07* Chemical products--general
- This category includes chemical products of various types. This category should be used only when the specific chemical is unknown or is not classifiable elsewhere.

Includes: Adhesives, alcoholic beverages, beauty products, cleaning agents, cosmetics, drugs, explosives, glues, medicines, paints, lacquers, varnishes, solvents, and degreasers.

Excludes: Specified chemicals.

070 Chemical products, unspecified
* - Asterisks indicate division, major group, or group titles.
071  Adhesives, glues, n.e.c.
This group includes adhesives, glues and pastes that are not elsewhere classified.

072*  Beauty preparations, cosmetics, n.e.c.
This group includes beauty preparations and other cosmetics. Soaps, shampoos, and dyes used as hair preparations or cosmetics are classified in this category. Other shampoos, detergents, and soaps used for commercial or industrial purposes are coded to group 073, Cleaning and polishing agents, n.e.c.

0720  Beauty preparations, cosmetics, unspecified

0721  Hair preparations
Conditioners  Rinses
Dyes  Perming solutions
Hair sprays  Setting gels
Hair straighteners  Shampoos
Mousses

0729  Other beauty preparations, cosmetics
Face masks  Soaps
Make-up

073*  Cleaning and polishing agents, disinfectants, n.e.c.
This group includes detergents, bleaches, soaps, polishes, disinfectants, and drain and oven cleaners that are not classifiable to specific chemical categories.

Soaps and shampoos used as hair preparations or as cosmetics are classified under code 072. Beauty preparations and cosmetics. Chlorine bleach and other chlorine-based cleansers are coded under Chlorine and chlorine compounds, code 042. Ammonia and ammonia compounds are included under 091. Solvents are coded under 077; drycleaning fluids under 0773. Drain and oven cleaners containing lye are coded under 024. Sodium and potassium hydroxides; those containing sulfuric acid are coded under 0134. Cleaners containing phosphoric acid are coded under 0133.

0730  Cleaning and polishing agents, unspecified
0731  Bleach--nonchlorine, nonperoxide
0732  Disinfectants
0733  Drain and oven cleaners
0734  Polishes
0735  Scouring powders
0736  Soap products
0737  Synthetic detergents and shampoos
0738  Multiple cleaning and polishing agents
0739  Other cleaning and polishing agents
Floor stripper  Other and unspecified cleaners

074*  Drugs, alcohol, medicines
This category includes prescription drugs, nonprescription or over the counter drugs, as well as alcoholic beverages and drugs used for nonmedicinal purposes. Alcohol in preparations not intended for consumption are coded under 031. Alcoholic beverages and nonmedicinal drugs should not be coded for secondary source.

0740  Drugs and medicines, unspecified
0741  Alcoholic beverages
0742  Drugs--nonmedicinal
0743  Medicines
0748  Multiple drugs, medicines
0749  Drugs and medicines, n.e.c.

* - Asterisks indicate division, major group, or group titles.
075* Explosives, blasting agents, n.e.c.

This category includes explosives, materials used as detonators, gunpowder, and fireworks. Excluded from this category are substances classifiable to specific chemical or mineral categories. Ammonium nitrate is coded 0913. Ammunition is included in major group 91.

0750 Explosives, blasting agents, unspecified
0751 Dynamite
0752 Flammable gas, unspecified
0753 Gunpowder
0754 Pyrotechnics, fireworks
0759 Other explosives, blasting agents

Blasting cap
Detonator

076* Paint, lacquer, shellac, varnish, n.e.c.

This category includes various types of paints and other finishes such as varnishes, shellacs, and lacquers. Epoxy is coded under 0952 Resins. Urethane and polyurethane is code 0953.

0760 Paint, lacquer, shellac, varnish, unspecified
0761 Lacquer, shellac, varnish
0762 Paint
0768 Multiple paint, lacquer, shellac, or varnishes
0769 Other paint, lacquer, shellac, varnish

077* Solvents, degreasers, n.e.c.

This category includes solvents and degreasers, not elsewhere classifiable. Carbon tetrachloride, perchloroethylene, and trichloroethylene are coded under Chlorine and chlorine compounds, code 042.

0770 Solvents, degreasers, unspecified
0771 Naptha solvents

Benzine
Cleaners' naptha
Mineral spirits
Naptha

Naphthalene
Petroleum ether
Stoddard solvent

0772 Paint removers, thinners
0773 Dry cleaning fluids, n.e.c.
0778 Multiple solvents, degreasers
0779 Other solvents, degreasers

079* Other chemical products, n.e.c.

This category includes other general chemical products, not elsewhere classifiable.

Includes: Dyes, inks, tear gas, mace, and photographic and copying solutions

0790 Other chemical products, unspecified
0791 Dyes, inks
0792 Tear gas, mace

Bromobenzyl cyanide
Chloroacetophenone

Ethylidioacetate
Lacrimogenic gas

0793 Photographic and copying solutions

* - Asterisks indicate division, major group, or group titles.
0799  Chemical products, n.e.c.

08*  Coal, natural gas, petroleum fuels and products, n.e.c.

This category includes coal, natural gas, petroleum, and petroleum fuels and distillates. Excluded from this category are petroleum solvents (077), and agricultural chemicals and other pesticides (major group 06).

Includes:  Coal, coal dust, coke, crude oil, gasoline, natural gas, petroleum, petroleum distillates and fuels

Excludes:  Agricultural chemicals and other pesticides (06); paints (076); petroleum solvents (077); asphalt, roofing tar (461).

080  Coal, natural gas, petroleum fuels and products, unspecified

081*  Coal and coal products

0810  Coal products, unspecified
0811  Coal
0812  Coke and other coal manufactures
0819  Coal and coal products, n.e.c.

082  Natural gas

083  Petroleum, crude oil

084*  Petroleum fuels, distillates, products, n.e.c.

0840  Petroleum fuels, distillates, products, unspecified
0841  Butane
0842  Gasoline, diesel fuel, jet fuel
0843  Kerosene, heating oil
0844  Lubricating greases, cutting oils
0845  Propane
0849  Other petroleum fuels, distillates, products

089  Coal, natural gas, petroleum fuels and products, n.e.c.

09*  Other chemicals

This category includes ammonia and its compounds, cryogenic gases, certain cyanide compounds, oxygen and certain oxides, plastics and resins, sewer and mine gas, methane, sulfur and sulfur compounds, and other chemical and chemical products not elsewhere classifiable.

Includes:  Ammonia and ammonium compounds, carbon dioxide, carbon monoxide, cryogenic gases, cyanide and cyanide compounds, n.e.c., dry ice, methane, mine gas, oxygen and oxygen compounds, n.e.c. plastics, resins, sewer gas, sulfur, sulfur compounds, sulfur dioxide

* - Asterisks indicate division, major group, or group titles.
091* Ammonia and ammonium compounds

This group includes ammonia in various forms as well as ammonium compounds. This group includes ammonium compounds used as fertilizers, cleansers, explosives, etc.

- 0910 Ammonia and ammonium compounds, unspecified
- 0911 Ammonia, anhydrous ammonia
- 0912 Ammonium hydroxide
- 0913 Ammonium nitrate
- 0914 Ammonium sulfate
- 0918 Multiple ammonia and ammonium compounds
- 0919 Ammonia and ammonium compounds, n.e.c.

092* Cryogenic gases

This group includes liquified gases at very low temperatures.

- 0920 Cryogenic gases, unspecified
- 0921 Liquid fluorine
- 0922 Liquid helium
- 0923 Liquid hydrogen
- 0924 Liquid nitrogen
- 0925 Liquid oxygen
- 0929 Cryogenic gases, n.e.c.
  - Liquified argon
  - Liquified neon
  - Liquified krypton
  - Liquified xenon

093* Cyanide and cyanide compounds, n.e.c.

This group includes cyanide and its compounds, not elsewhere classifiable. Cyanates and isocyanates that are used in the manufacture of plastics are coded under Plastics, resins--code 095.

- 0930 Cyanide and cyanide compounds, unspecified
- 0931 Hydrogen cyanide
- 0938 Multiple cyanides
- 0939 Other cyanide and cyanide compounds

094* Oxygen and oxygen compounds, n.e.c.

This group includes carbon monoxide, carbon dioxide, dry ice, various nitrogen oxides, nonliquefied oxygen, and ozone. Carbon monoxide resulting from the incomplete combustion of fuels and that contained in motor vehicle exhaust gas, blast furnace gas, or kiln vapor is included in 0941. Smoke and fire gases are included in code 9342. Liquefied oxygen is coded under 092, Cryogenic gases. Sulfur dioxide is coded 0973.

- 0940 Oxygen and oxygen compounds, n.e.c.
- 0941 Carbon monoxide
  - Blast furnace gas
  - Kiln vapor
  - Motor vehicle exhaust gas
  - Results of incomplete combustion of fuels
- 0942 Carbon dioxide, dry ice
- 0943 Nitrogen oxides
  - Dinitrogen pentoxide
  - Dinitrogen tetroxide
  - Laughing gas
  - Nitric oxide
  - Nitrogen dioxide
  - Nitrogen trioxide
  - Nitrous oxide
  - Other oxides of nitrogen
- 0944 Oxygen, nonliquefied
0945 Ozones

0948 Multiple oxygen and oxygen compounds

0949 Other oxygen and oxygen compounds, n.e.c.

095* Plastics, resins

This group includes various substances and intermediate products used in the manufacture of plastics and resins, including cyanates, resins, urethanes, vinyl chloride, and various elasticizers, monomers, and polymers.

0950 Plastics, unspecified

0951 Cyanates

Cyanates Isocyanates
Di-isocyanates Toluene-di-isocyanates (TDI)

0952 Resins

Acrylic resin Resin
Epoxy resin Silicone resin

0953 Urethanes

Polyurethane Urethane

0954 Vinyl chloride, polyvinyl chloride

Polyvinyl chloride Vinyl chloride
Polyvinyl chloride monomer Vinyl chloride monomer

0959 Plastics, resins, n.e.c.

Bakelite PAPI
Elastomer Polymer
Ethyl silicate Polypropylene
Ethylene diamine Polystyrene
Monomer Polyvinyl acetate

096* Sewer gas, mine gas, methane

This group includes sewer and mine gas and fumes that are not classifiable elsewhere.

0960 Sewer gas, mine gas, unspecified
0961 Methane gas
0962 Mine gas
0963 Sewer gas

097* Sulfur and sulfur compounds

This group includes carbon bisulfide, hydrogen sulfide, sulfur dioxide, and other sulfur compounds.

0970 Sulfur and sulfur compounds, unspecified

0971 Carbon bisulfide
Carbon disulfide

0972 Hydrogen sulfide

0973 Sulfur dioxide

0978 Multiple sulfur and sulfur compounds

0979 Sulfur and sulfur compounds, n.e.c.

* - Asterisks indicate division, major group, or group titles.
### 098* Multiple chemicals or chemical mixtures, n.e.c.

This category is to be used for toxic, noxious, and otherwise injurious fumes, vapors, or chemical exposures resulting from the mixing or combining of chemicals or chemical products from different major groups. This code may also be applicable as the secondary source for explosions resulting from the mixture of two or more chemicals falling in different two-digit categories.

This category also includes cases where two or more chemicals or chemical products falling in different two-digit categories are named as the source or secondary source or when the nonspecific "Multiple chemicals" is the source or secondary source.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0980</td>
<td>Multiple chemicals or chemical mixtures, unspecified</td>
</tr>
<tr>
<td>0981</td>
<td>Ammonia and chlorine</td>
</tr>
<tr>
<td>0982</td>
<td>Chlorine and phosphoric acid</td>
</tr>
<tr>
<td>0983</td>
<td>Chlorine and cleaning agent, n.e.c.</td>
</tr>
<tr>
<td>0989</td>
<td>Other multiple chemicals or chemical mixtures</td>
</tr>
</tbody>
</table>

### 099 Chemicals and chemical products, n.e.c.

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetylene</td>
<td>Metal cleaning compounds, unspecified</td>
</tr>
<tr>
<td>Esters</td>
<td>Metal plating solutions, unspecified</td>
</tr>
<tr>
<td>Flux</td>
<td>Phosphine</td>
</tr>
<tr>
<td></td>
<td>Potting compound hardener</td>
</tr>
</tbody>
</table>

* - Asterisks indicate division, major group, or group titles.
CONTAINERS

This division classifies receptacles that are commonly used to hold, store, or carry materials. All containers may be empty or full. Pressurized and nonpressurized containers are fix-shaped receptacles used to hold, store, or carry materials. Variable restraint containers include bundles, packages, and rolls where the material being contained is usually the surface of the container.

Includes: Pressurized containers; nonpressurized containers; variable restraint containers; dishes, cups, glasses; luggage; skids and pallets.

Excludes: Cases, cabinets, racks, shelves (21); bathtubs (2421); coffee makers (3321); septic tanks (612); hot tubs (645); sleeping bags, back packs, portable coolers, and thermoses (781).

10 Containers, unspecified

11* Containers--nonpressurized

This major group classifies nonpressurized containers which are fix-shaped receptacles used to hold, store, or carry materials.

Includes: Bags, sacks, totes; barrels, kegs, drums; bottles, jugs, flasks; boxes, crates, cartons; buckets, baskets, pails; cans; pots, pans, trays; tanks, bins, and vats.

Excludes: Pressurized containers (12); variable restraint containers (13); dishes, drinking cups, and beverage glasses (14); luggage (15); and skids and pallets (16); groceries (528); laundry (924).

110 Containers--nonpressurized, unspecified

111 Bags, sacks, totes

Mail pouches

112 Barrels, kegs, drums

Barrels--coopered wooden

Breaker

Drums--fiber

Firkins

113 Bottles, jugs, flasks

Bottles--paper

Decanters

Hot-water bottles

Jars

Medicine bottles

114 Boxes, crates, cartons

Ammunition boxes

Boxes--cardboard

Boxes--corrugated

Boxes--fiberboard

Boxes--filing

Boxes--newsboard

Boxes--setup

Boxes--wooden

Cases--plastic utility

Mail bags

Packets

Kilderkins

Milk shipping containers

Oil drums

Shipping drums

Milk bottles

Packing bottles

Packing jugs

Vials

Water bottles

Chicken coops (crates)

Coffins

Egg cartons

Food boxes

Mailing cases

Milk, ice cream cartons

Shipping crates

Shipping hampers

Tubes--cardboard

* - Asterisks indicate division, major group, or group titles.
### Buckets, baskets, pails

- Basket--wicker
- Basket--wire
- Basket--wooden
- Buckets--coopered wooden
- Buckets--metal
- Bushels
- Dinner pails

### Baskets
- Flower baskets
- Fruit baskets
- Lobster pots
- Milk pails
- Picnic baskets
- Pitchers
- Slop pails

### Cans

- Aluminum cans
- Beverage cans
- Canisters
- Canned foods
- Foil-fiber cans
- Food cans
- Garbage cans
- Gasoline cans
- Milk cans
- Oil cans
- Packing cans
- Tin cans
- Trash cans
- Watering cans

### Pots, pans, trays

- Ashtrays
- Bakepans
- Breadpans
- Cake pans
- Dishpans
- Dustpans
- Frying pans
- Kettles--nonpressurized
- Pans--kitchen
- Pots--kitchen
- Serving trays
- Skillets
- Trays--plastic
- Woks

### Tanks, bins, vats

- Aquaria
- Cisterns
- Dumpsters
- Farm storage tanks
- Hoppers
- Melting pots
- Oil storage tanks
- Trash bins
- Troughs
- Tubs--coopered
- Tubs--excluding bathtubs
- Vats--wooden
- Water tanks

### Containers--nonpressurized, n.e.c.

- Air cargo containers
- Aluminum containers for bakery goods and frozen foods

### Containers--pressurized

This major group classifies pressurized containers which are fix-shaped receptacles used to hold, store, or carry gases, vapors, or liquids.

**Includes:** Boilers; hoses; pressure lines.

**Excludes:** Air and gas compressors (3991); pressure-cooking equipment (332); pipes, ducts, tubing (412); valves (423).

### Boilers

- Industrial boilers
- Marine boilers
- Power boilers
- Pressure stills

### Hoses

- Fire hoses
- Garden, Water hoses
- Hoses--metal
- Hoses--plastic
- Hoses--rubber
- Pneumatic hoses

### Oxygen tanks

### Pressure lines, except hoses

### Propane tanks

* Asterisks indicate division, major group, or group titles.

12/92 Ds -21
129  Containers--pressurized, n.e.c.
   Air receiver tanks  Pressure gas tanks
   Beer kegs  Pressure housings
   Pressure cylinders

13*  Containers--variable restraint

This major group classifies containers including bundles, packages, and rolls where the material
being contained is usually the surface of the container.

Includes:  Bundles, bales; packages, parcels; reels, rolls.

Excludes:  Nonpressurized containers (11); pressurized containers (12).

130  Containers--variable restraint, unspecified

131  Bundles, bales
   Bales of cotton  Bundles of shingles
   Bales of hay

132  Packages, parcels
   Mailing packages, parcels  Paper packages, parcels

133  Reels, rolls
   Beams, bolts of fabric  Rolls of carpet
   Reels of metal banding, wire  Rolls of fabric
   Reels of steel wool  Rolls of paper

139  Containers--variable restraint, n.e.c.

14*  Dishes, drinking cups, beverage glasses

This major group classifies containers which are commonly used for drinking and eating.

Includes:  Dishes, bowls; drinking cups, beverage glasses.

Excludes:  Bottles (113); pitchers (115); pots, pans, trays (117); cooking and eating utensils
          (792).

140  Dishes, drinking cups, beverage glasses, unspecified

141  Dishes, bowls
   Bowls--any use or composition  Dishes--any use or composition

142  Drinking cups, beverage glasses
   Cups--drinking  Glasses--drinking

149  Dishes, drinking cups, beverage glasses, n.e.c.

15*  Luggage, handbags

This major group classifies container-carriers which are used for holding and carrying personal
belongings.

Includes:  Briefcases; handbags, pocketbooks, wallets; and suitcases.

Excludes:  Footlockers, chests (212); lockers (215); back packs (781).

150  Luggage, handbags, unspecified

151  Briefcases

* - Asterisks indicate division, major group, or group titles.
Portfolios

152 Handbags, pocketbooks, wallets
   Billfolds
   Book bags
   Shoulder bags
   Cosmetic pouches

153 Suitcases
   Gym bags
   Overnight bags
   Suit bags

159 Luggage, handbags, n.e.c.
   Duffel bags
   Musical instrument cases
   Golf bags

16 Skids, pallets

This major group classifies skids and pallets of any use or composition including those used as working surfaces.

Includes: Skids; pallets; pallet containers

19 Containers, n.e.c.

This major group classifies all containers that are not elsewhere classified in the Container division.

* - Asterisks indicate division, major group, or group titles.
This division classifies furniture; lighting and plumbing fixtures; and floor, wall, and window coverings. The furniture and fixtures classified here may be of any composition, and may be designed for use in households, businesses, or public buildings.

Includes: Cases, cabinets, racks, shelves; floor, wall, and window coverings; furniture; other fixtures.

Excludes: Heating, cooling, and cleaning machinery and appliances (33); audio and video equipment (391); car seats (489); plumbing systems (612); structures (64); pianos (7951).

20 Furniture and fixtures, unspecified

21* Cases, cabinets, racks, shelves

This major group classifies free-standing or built-in cases, cabinets, counters, racks, lockers, and shelves. These items may be designed for household, office, public building, or other use.

Includes: Bookcases; display and storage cabinets, cases; counters, counter tops; garment and other racks; lockers; partitions; shelving.

Excludes: Boxes, crates, cartons (114); refrigerated lockers (3314).

210 Cases, cabinets, racks, shelves, unspecified

211 Bookcases

Bookcases--any composition
Bookcases--free-standing
Bookcases--built-in

212 Cabinets, cases--display, storage

Cedar chests
China cabinets
Footlockers
Kitchen cabinets
Medicine cabinets

Office cabinets
Showcases
Tool chests
Toy chests
Treasure chests

213 Counters, counter tops

Bar counters
Kitchen counters

214 Garment racks, other racks

Book and magazine racks
Clothes-drying racks
Coat racks

Display racks
Mail-sorting racks

215 Lockers

Wall lockers

216 Partitions

Office partitions
Room partitions

217 Shelving

Display shelving
Office and store shelving

219 Cases, cabinets, racks, shelves, n.e.c.
### 22* Floor, wall, window coverings

This major group classifies floor, wall, and window coverings such as carpets, wallpaper, and curtains.

**Includes:** Floor coverings; wall coverings; window coverings, blinds, shades, or draperies.

**Excludes:** Rolls of carpet or linoleum (133); ceiling tiles (4141); vinyl floor tiles (4144); wood paneling (4152); sheet flooring (4195); siding (4196); wallboard (4198).

#### 220 Floor, wall, window coverings, unspecified

#### 221 Floor coverings, nonstructural

- **Carpet (except rolls)**
- **Linoleum (except rolls)**

#### 222 Wall coverings

- **Wall panels--acoustic**
- **Wallpaper (except rolls)**

#### 223 Window coverings, blinds, shades, or draperies

- **Blinds**
- **Venetian blinds**
- **Curtains**
- **Window shades**
- **Drapes**

#### 229 Floor, wall, window coverings, n.e.c.

### 23* Furniture

This major group classifies different types of home, office, and workshop furniture.

**Includes:** Beds, bedding, mattresses; benches, workbenches; saw horses; chairs, desks, sofas, tables, and worktables.

**Excludes:** Cases, cabinets, racks, shelves (21); lamps (2411); air mattresses (779); sleeping bags (781); billiard and ping pong tables (789); pianos (7951); sheets, linens (9231).

#### 230 Furniture, unspecified

#### 231 Beds, bedding, mattresses

- **Bed frames**
- **Folding beds**
- **Bunk beds**
- **Futons**
- **Cots**
- **Hammocks**
- **Cradles**
- **Headboards**
- **Cots**
- **Water beds**

#### 232 Benches, workbenches, saw horses

- **Park benches**
- **Shop benches**
- **Pews**
- **Utility benches**
- **Saw horses**
- **Workbenches**

#### 233 Chairs

- **Arm chairs**
- **High chairs**
- **Bar stools**
- **Recliners**
- **Easy chairs**
- **Rocking chairs**
- **Folding chairs**

#### 234 Desks

- **Computer desks**
- **School desks**
- **Office desks**
- **Work stations**
- **Roll-top desks**

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* - Asterisks indicate division, major group, or group titles.
235  Sofas
   Couches
   Divans
   Loungers
   Love seats
   Ottomans
   Sofa beds

236  Tables, worktables
   Card tables
   Cocktail tables
   Coffee tables
   Conference tables
   Dining tables
   End tables
   Folding tables
   Kitchen tables
   Lamp stands
   Operating tables
   Dressers

239  Furniture, n.e.c.

24*  Other fixtures

This major group classifies home, office, and industrial fixtures including lighting equipment and plumbing fixtures.

Includes: Lighting equipment; plumbing fixtures.
Excludes: Electric parts, wiring (441); plumbing system (612).

240  Other fixtures, unspecified

241*  Lighting equipment

This source group classifies home, office, and industrial lighting equipment.

Includes: Lamps; light bulbs (incandescent or fluorescent); neon lights, stop lights, chandeliers.
Excludes: Electric parts (441); flashlights (7299); flash bulbs (769); lanterns (781).

2410 Lighting equipment, unspecified
2411 Lamps
2412 Light bulbs
2419 Lighting equipment, n.e.c.

242*  Plumbing fixtures

This source group classifies home, office, and industrial plumbing fixtures.

Includes: Bathtubs; sinks; toilets; showers, faucets.
Excludes: Pipes (412); valves (423).

2420 Plumbing fixtures, unspecified
2421 Bathtubs
2422 Sinks
2423 Toilets
2429 Plumbing fixtures, n.e.c.
   Faucets
   Showers

249  Other fixtures, n.e.c.

29  Furniture and fixtures, n.e.c.

* - Asterisks indicate division, major group, or group titles.
3* MACHINERY

This division classifies light and heavy machinery which perform specific functions or processes under power. Machinery is defined as a combination of smaller machines (elements or parts) which are capable of motion and are contained in a stationary frame. Computer, audio, and video products, as well as heating, cooling and cleaning machinery and appliance are also included in this definition.

Machines which are primarily used for transporting people or materials are classified in division 8 (Vehicles). Handheld power tools are classified in major group 72 (Handtools--powered).

If a part is known or assumed to be attached to a machine when an injury occurs, then the entire machine should be listed as the source in this division.

If a part is known to be unattached and independent of a machine, or if it is probable that a machine is not involved, then that specific part should be selected as the source. The smaller parts which are used in machinery are classified in major group 44 (Machine, tool, and electric parts).

Includes: Agricultural and garden machinery; construction, logging, and mining machinery; heating, cooling, and cleaning machinery and appliances; material handling machinery (e.g., conveyors, cranes, hoists, elevators, etc.); metal, woodworking, and special material machinery; office and business machinery; special process machinery; and miscellaneous machinery.

Excludes: Hoisting accessories (43); machinery parts (44); motors (4414); engines (4424); nonpowered handtools (71); powered handtools (72); vehicles (8); plant and industrial powered vehicles, tractors (85); forklifts (85).

30 Machinery, unspecified

31* Agricultural and garden machinery

This major group classifies machinery which perform specific agricultural and garden functions or processes.

Includes: Harvesting and threshing machinery; mowing machinery; plowing, planting, and fertilizing machinery; and other agricultural and garden machinery.

Excludes: Construction, logging, and mining machinery (32); gravity conveyors (341); powered conveyors (342); elevators (346); parts and materials (4); feed wagons (483); vehicles (8); tractors (853).

310 Agricultural and garden machinery, unspecified

311* Harvesting and threshing machinery

This source group classifies agricultural and garden machinery which primarily perform harvesting or threshing functions.

Includes: Balers; combines; harvesters, reapers; threshers.

Excludes: Mowing machinery (312); logging harvesters (3236); tractors (853).

3110 Harvesting and threshing machinery, unspecified

3111 Balers

3112 Combines

3113 Harvesters, reapers

3114 Threshers

3119 Harvesting and threshing machinery, n.e.c.

Forage choppers  Tree shakers

* - Asterisks indicate division, major group, or group titles.
312* Mowing machinery

This source group classifies agricultural and garden machinery which primarily perform mowing functions.

Includes: Nonriding and riding lawn mowers; tractor mowers.

Excludes: Harvesting and threshing machinery (311); handheld powered trimmers, edgers (7229); tractors (853).

3120 Mowing machinery, unspecified

3121 Lawn mowers--nonriding, powered

3122 Lawn mowers--riding

3123 Mowers--tractor

Hay mowers

3129 Mowing machinery, n.e.c.

Push mowers--nonpowered

313* Plowing, planting, and fertilizing machinery

This source group classifies agricultural and garden machinery which primarily perform plowing, planting, or fertilizing functions. Also included here are plows, discs, cultivators, and spreaders that are attached to tractors.

Includes: Plowing and cultivating machinery; seed planting machinery; agricultural spreading machinery.

Excludes: Snow plows (3995); vehicles (8); tractors (853).

3130 Plowing, planting, and fertilizing machinery, unspecified

3131 Plowing and cultivating machinery

Cultivators

Discs

Harrow

Plows

3132 Seed planting machinery

3133 Spreading machinery--agricultural

Fertilizer spreaders

Manure spreaders

3139 Plowing, planting, and fertilizing machinery, n.e.c.

319* Other agricultural and garden machinery

This source group classifies agricultural and garden machinery which perform specific functions or processes other than those previously classified.

Includes: Dairy and milk processing machinery; agricultural feed grinders, feed crushers, and feed mixers; agricultural spraying and dusting machinery (except aircraft).

Excludes: Construction, logging, and mining machinery (32); gravity conveyors (341); powered conveyors (342); elevators (346); parts and materials (4); feed wagons (483); vehicles (8); crop-dusting aircraft (8112); tractors (853).

3190 Other agricultural and garden machinery, unspecified

* - Asterisks indicate division, major group, or group titles.
3191 Dairy and milk processing machinery--specialized  
*Butter-making machinery*  
*Homogenizers*  
*Clarifiers*  
*Milking machines*  
*Cream separators*  
*Pasteurizers*  
*Evaporators*

3192 Feed grinders, crushers, mixers--agricultural

3193 Spraying and dusting machinery--agricultural

3199 Agricultural and garden machinery, n.e.c.

32* Construction, logging, and mining machinery

This major group classifies machinery which perform specific construction (or demolition), logging, and mining functions or processes.

*Includes:* Excavating machinery; loaders; logging and wood processing machinery; mining and drilling machinery; road grading and surfacing machinery.

*Excludes:* Agricultural and garden machinery (31); material handling machinery (34); metal, woodworking, and special material machinery (35); vehicles (8); tractors (853).

320 Construction, logging, and mining machinery, unspecified

321* Excavating machinery

This source group classifies machinery which primarily perform excavating functions. Excavating machines include those that dig earth and rock (power shovels, backhoes, draglines, trenchers) and place it in separate hauling units, as well as those that pick up and transport material (bulldozers).

*Includes:* Backhoes; bulldozers; steam and power shovels; trenchers.

*Excludes:* Loaders (322); drilling machinery (3241); tunneling machines (3243); hooks, shackles, magnets, clamshells, orange peels, grapples (432); vehicles (8).

3210 Excavating machinery, unspecified

3211 Backhoes

3212 Bulldozers

3213 Steam and power shovels

3214 Trenchers  
*Trenching machines*  
*Continuous bucket excavators*

3219 Excavating machinery, n.e.c.  
*Draglines*  
*Marine excavators*

*Marine dredges*  
*Suction dredges*
322* Loaders

This source group classifies machinery which primarily perform loading operations. Loaders basically consist of a movable bucket mounted on a series of movable arms at the front of a crawler or rubber-tired tractor.

Includes: Bucket loaders; end loaders; front end loaders.

Excludes: Excavating machinery (321); log loaders (3234).

3220 Loaders, unspecified
3221 Bucket loaders
3222 End loaders
3223 Front end loaders
3229 Loaders, n.e.c.

323* Logging and wood processing machinery--specialized

This source group classifies machinery which primarily perform specialized logging and wood processing operations.

Includes: Chippers; debarkers; harvesters (logging)

Excludes: Agricultural harvesters (3113); other loaders (322); material handling machinery (34); metal, woodworking, and special material machinery (35); paper production machinery (374); other grapples (432); other cable (4423).

3230 Logging and wood processing machinery--specialized, unspecified
3231 Chippers
3232 Debarkers
3233 Harvesters, including feller-buncher, sheet
3234 Log loaders, including heel boom
3235 Forwarder/yarder, skidder
3236 Mechanical harvester
3237 Slasher
3238 Skidder--cable and grapple
3239 Logging and wood processing machinery--specialized, n.e.c.

324* Mining and drilling machinery

This source group classifies machinery which primarily perform mining and drilling operations. Mining machinery is used in removing and transporting valuable solid minerals from their place of natural origin to a more accessible location for further processing or transportation. Many mining-type machines are used for excavating in the construction industry and should be classified accordingly. Drilling machinery is generally used to bore vertical holes while tunneling machinery is generally used to bore horizontal holes.

Includes: Drilling machines, drilling augers; mineral sorters, separators, concentrators; tunneling machines.

Excludes: Coal breakers and crushers (3292); nonpowered portable handheld augers (7111); nonpowered portable handheld drills (7113); powered portable handheld augers (7211); powered portable handheld drills (7213).

3240 Mining and drilling machinery, unspecified
3241 Drilling machines, drilling augers
  Continuous miners
  Diamond drills
  Jet flame drills
  Mechanical miners
  Rock drills
  Water-jet drills

* - Asterisks indicate division, major group, or group titles.
### 3242 Mineral sorters, separators, concentrators

### 3243 Tunneling machines

- **Bore tunneling machine**
- **Horizontal boring machine**

### 3249 Mining and drilling machinery, n.e.c.

- **Mineral property analyzers**

### 325* Road grading and surfacing machinery

This source group classifies machinery which primarily perform road grading and surfacing operations.

**Includes:** Asphalt and mortar spreaders; graders, levellers, planers, scrapers; road linemarking machinery; steam rollers, road pavers.

**Excludes:** Construction, logging, and mining machinery (32); street sweeping and cleaning machinery, cherry pickers (3996); vehicles (8).

### 3250 Road grading and surfacing machinery, unspecified

### 3251 Asphalt and mortar spreaders

### 3252 Graders, levellers, planers, scrapers

### 3253 Road linemarking machinery

### 3254 Steam rollers, road pavers

- **Asphalt pavers**
- **Slip-form pavers**
- **Concrete pavers**

### 3259 Road grading and surfacing machinery, n.e.c.

### 329* Other construction, logging, and mining machinery

This source group classifies construction, logging, and mining machinery which perform specific functions or processes other than those previously classified.

**Includes:** Mineral agitators, mixers; compactors, crushers, pulverizers; pile drivers, tamping machinery; pile extractors.

**Excludes:** Agricultural and garden machinery (31); steam rollers (3254); material handling machinery (34); metal, woodworking, and special material machinery (35); vehicles (8); tractors (853).

### 3290 Other construction, logging, and mining machinery, unspecified

### 3291 Agitators, mixers--earth, mineral

- **Cement mixers (except trucks)**

### 3292 Compactors, crushers, pulverizers--earth, mineral

- **Coal breakers**
- **Coal crushers**

### 3293 Pile drivers, tamping machinery

- **Drop hammers**
- **Pile hammers**

### 3294 Pile extractors

### 3299 Construction, logging, and mining machinery, n.e.c.
33* Heating, cooling, and cleaning machinery and appliances

This major group classifies machinery which perform specific heating, cooling, and cleaning functions or processes.

Includes: Cooling and humidifying machinery and appliances; heating and cooking machinery and appliances; washers, dryers, and cleaning machinery and appliances.

Excludes: Boilers (121); dairy and milk processing machinery (3191); industrial furnaces and forging machinery (3533); distilling and rectifying machinery (3792); incinerators (3993); vending machines (3998); engine fans (4824); powered welding and heating handtools (726).

330 Heating, cooling, and cleaning machinery and appliances, unspecified

331* Cooling and humidifying machinery and appliances

This source group classifies machinery which primarily perform cooling and humidifying functions.

Includes: Air conditioners; fans, blowers; humidifiers, dehumidifiers, vaporizers; refrigerators, freezers, ice makers.

Excludes: Dairy and milk processing machinery (3191); engine fans (4824).

3310 Cooling and humidifying machinery and appliances, unspecified

3311 Air conditioning units

3312 Fans, blowers--wall, floor, ceiling, ventilation

3313 Humidifiers, dehumidifiers, vaporizers

3314 Refrigerators, freezers, ice makers

3319 Cooling and humidifying machinery and appliances, n.e.c.

332* Heating and cooking machinery and appliances

This source group classifies machinery which primarily perform general heating and cooking functions, as well as fabric pressing and steaming functions.

Includes: Beverage heating and percolating equipment and appliances; broiling and frying equipment and appliances; fabric pressers and ironing appliances; furnaces, heaters; kilns; ranges, cooking ovens, grills, toasters, food warmers; steaming equipment and appliances.

Excludes: Boilers (121); industrial furnaces and forging machinery (3533); distilling and rectifying machinery (3792); incinerators (3993); vending machines (3998); powered welding and heating handtools (726).

3320 Heating and cooking machinery and appliances, unspecified

3321 Beverage heating and percolating equipment and appliances

Coffee makers

3322 Broiling and frying equipment and appliances

3323 Fabric pressers and ironing appliances

* - Asterisks indicate division, major group, or group titles.
3324 Furnaces, heaters
   Domestic furnaces  Pothbellied stoves
   Franklin stoves   Registers
   Gas and oil furnaces  Solar heaters
   Heating units   Space heaters
   Hot-water heaters

3325 Kilns

3326 Ranges, cooking ovens, grills, toasters, food warmers
   Camping stoves--portable  Ranges--kitchen, cooking
   Grills--outdoor, indoor   Roasters
   Hibachi  Stoves--kitchen, cooking
   Microwave ovens  Toasters
   Ovens--kitchen, cooking  Waffle irons

3327 Steaming equipment and appliances

3329 Heating and cooking machinery and appliances, n.e.c.

333* Washers, dryers, and cleaning machinery and appliances
   This source group classifies machinery which primarily perform washing, drying, and
   cleaning functions for specific products.

   Includes: Car washing machinery; clothes dryers; clothes washers; dish washers;
   hair and hand dryers; vacuum cleaners; other filtering and purifying
   machinery.

   Excludes: Kilns (3325); paper production dryers (3743); paper production
   washers, bleachers, refiners (3746); street sweeping and cleaning
   machinery (3996).

3330 Washers, dryers, and cleaning machinery and appliances,
   unspecified
3331 Car or vehicle washing machinery
3332 Clothes dryers
3333 Clothes washers
3334 Dish washers
3335 Hair and hand dryers
3336 Vacuum cleaners
3339 Washers, dryers, and cleaning machinery and
   appliances, n.e.c.
   Other filtering and purifying machinery

339 Heating, cooling, and cleaning machinery and appliances, n.e.c.
   This source group classifies heating, cooling, and cleaning machinery which and
   appliances which perform functions other than those previously classified.

34* Material handling machinery
   This major group classifies machinery which perform specific material handling functions or
   processes.

   If a part is known or assumed to be attached to a machine when an injury occurs, then the entire
   machine should be listed as the source in this division.

   If a part is known to be unattached and independent of a machine, or if it is probable that a
   machine is not involved, then that specific part should be selected as the source.
Material handling machinery are usually composed of many smaller parts and elements. For example, hoisting machines, cranes, derricks, and elevators employ sheaves and pulleys (called blocks) to perform their operations. The majority of these smaller material handling machinery components are classified in major group 43 (Hoisting accessories), and major group 44 (Machine, tool, and electric parts).

Includes: Gravity conveyors; powered conveyors; cranes; overhead hoists; derricks; elevators; jacks; winders, unwinders.

Excludes: Agricultural and garden machinery (31); construction, logging, and mining machinery (32); logging and wood processing machinery (323); hoisting accessories (43); machine, tool, and electric parts (44); vehicles (8); forklifts (851).

340 Material handling machinery, unspecified

Package conveyor

341* Conveyors--gravity

This source group classifies conveyors which primarily perform conveying functions through the use of gravity. Gravity conveyors are limited to use in instances where the material being conveyed is to be lowered in elevation or rolled along a level path.

Includes: Chutes; roller conveyors; wheel conveyors.

Excludes: Powered conveyors (342); unattached rollers (4427).

3410 Conveyors--gravity, unspecified
3411 Chutes
3412 Conveyors--roller
3413 Conveyors--wheel
3419 Conveyors--gravity, n.e.c.

342* Conveyors--powered

This source group classifies conveyors which primarily perform conveying functions through the use of an electrical or other power source. Powered conveyors are used in instances where the material being conveyed is to be raised, lowered, or moved along a level path.

Includes: Belt conveyors; bucket, cup conveyors; chain conveyors; live roller conveyors; pan conveyors; pneumatic conveyors; screw, auger conveyors; slot conveyors.

Excludes: Gravity conveyors (341); chain and belt drives (4422).

3420 Conveyors--powered, unspecified
3421 Conveyors--belt
3422 Conveyors--bucket, cup
3423 Conveyors--chain
3424 Conveyors--live roller
3425 Conveyors--pan
3426 Conveyors--pneumatic
3427 Conveyors--screw, auger
3428 Conveyors--slot
3429 Conveyors--powered, n.e.c.

343* Cranes

This source group classifies cranes which primarily are used for lifting heavy weights by means of a movable projecting arm or a horizontal beam traveling on an overhead support.

Includes: Floating cranes; gantry cranes; hammerhead cranes; mobile, truck, or rail-mounted cranes; monorail and underhung cranes; overhead cranes; portal, tower, and pillar cranes.

* - Asterisks indicate division, major group, or group titles.
Excludes: Overhead hoists (344); derricks (345); elevators (346).

3430 Cranes, unspecified
3431 Cranes—floating
3432 Cranes—gantry
3433 Cranes—hammerhead
3434 Cranes—mobile, truck, rail mounted
3435 Cranes—monorail and underhung
3436 Cranes—overhead
3437 Cranes—portal, tower, pillar
3438 Storage and retrieval hoist systems
3439 Cranes, n.e.c.

344* Overhead hoists

This source group classifies electric, manual, and pneumatic hoists for raising and lowering material with intermittent motion while holding the material freely suspended. This source group also includes aircraft loading and automobile wrecker hoists.

Includes: Powered and manual overhead hoists.

Excludes: Storage and retrieval hoist systems (3438); elevators (346); truck-mounted bucket or basket hoists (3461); hoisting accessories such as fixtures, hooks, or slings (43).

3440 Overhead hoists, unspecified
3441 Overhead hoists—electric powered
3442 Overhead hoists—manual
3443 Overhead hoists—pneumatic powered
3449 Overhead hoists, n.e.c.

345* Derricks

This source group classifies material handling machinery which primarily function as derricks, hoisting mechanisms which use ropes running on pulleys.

Includes: A-frame derricks; basket derricks; breast derricks; gin pole derricks; guy derricks.

Excludes: Oil derricks used to support drilling machinery (647).

3450 Derricks, unspecified
3451 Derricks—A-frame
3452 Derricks—basket
3453 Derricks—breast
3454 Derricks—gin pole
3455 Derricks—guy
3459 Derricks, n.e.c.

346* Elevators

This source group classifies material handling machinery which is primarily used to lift and lower a load along a fixed vertical path of travel with intermittent motion. This source group also includes farm and grain elevators.

The most common elevators use electric motors, cables, pulleys, and counterweights. If any of these specific parts are listed as the source—and they are known to be unattached and independent of an elevator—they are classified in division 4 (Parts and Materials). If the floor of an elevator is the source, use code 6222 (Floor of elevator).

Includes: Truck-mounted bucket or basket hoists; dumbwaiters; electric elevators; hydraulic elevators; hand-operated elevators; manlifts.

* - Asterisks indicate division, major group, or group titles.
**Excludes:** Powered conveyors (342); overhead hoists (344); elevator floors (6222); forklifts (851).

3460 Elevators, unspecified  
3461 Bucket or basket hoist--truck mounted  
3462 Dumbwaiters  
3463 Elevators--electric  
3464 Elevators--hydraulic  
3465 Elevators--hand operated  
3466 Manlifts  
3469 Elevators, n.e.c.

347* Jacks

This source group classifies jacks which are primarily used to lift, bolster, hoist, or move something heavy a short distance.

*Includes:* Hydraulic; mechanical (includes car jacks); pneumatic jacks.

*Excludes:* Elevators (346).

3470 Jacks, unspecified  
3471 Jacks--hydraulic  
3472 Jacks--mechanical  
3473 Jacks--pneumatic  
3479 Jacks, n.e.c.

349* Other material handling machinery

This source group classifies material handling machinery that has not been previously classified.

*Includes:* Winders, unwinders.

*Excludes:* Agricultural and garden machinery (31); construction, logging, and mining machinery (32); logging and wood processing machinery (323); hoisting accessories (43); machine, tool, and electric parts (44); vehicles (8); forklifts (851).

3491 Winders, unwinders  
3499 Material handling machinery, n.e.c.

35* Metal, woodworking, and special material machinery

This major group classifies machinery which primarily perform specific material cutting, shaping, or forming functions or processes. Special material machinery includes those that process plastic, rubber, concrete and other special materials. Many machines classified here are referred to as "Machine Tools"--machines that make the parts for other machines. These machines are commonly used in the manufacturing industries, but may be utilized in other industries as well.

*Includes:* Bending, rolling, shaping machinery; boring, drilling, planing, milling machinery; extruding, injecting, forming, molding machinery; grinding, polishing machinery; lathes; presses (except printing); sawing machinery; threading and tapping machines; EDM's, laser cutting, pressure fluid cutting, spot welding machinery.

* - Asterisks indicate division, major group, or group titles.
Excludes: Agricultural and garden machinery (31); construction, logging, and mining machinery (32); mining and drilling machinery (324); material handling machinery (33); food slicers (3711); meat grinders (3713); paper production machinery (374); textile, apparel, leather production machinery (376); painting, priming, metal coating machinery (3796); nonpowered handtools (71); powered handtools (72); handheld power saws (7224); powered surfacing handtools (724).

350  Metal, woodworking, and special material machinery, unspecified

351*  Bending, rolling, shaping machinery

This source group classifies machinery which primarily perform metal bending, rolling, or shaping functions to produce workpieces without cutting or removing material. These machines may be used to bend, roll, or shape other materials (e.g., wire, plastics) as well. A calender is a form of press which uses rollers or plates to smooth and glaze cloth, rubber, or paper; or to form these materials into thin sheets. Paper production calenders are classified in 3741 (Calenders/supercalenders--paper production). All other calenders are classified here.

Includes: Bending, crimping machines; shearing machines; rolling mills, roll, calendering machinery.

Excludes: Calenders used in the paper production industry (3741).

3510  Bending, rolling, shaping machinery, unspecified
3511  Bending, crimping machines
3512  Shearing machines
3513  Rolling mills, rolling, calendering machinery
3519  Bending, rolling, shaping machinery, n.e.c.

352*  Boring, drilling, planing, milling machinery

This source group classifies machinery which primarily perform material cutting functions (boring, drilling, planing, and milling). The drilling process creates a hole while the boring process enlarges and true existing holes. Reamers are used to produce precise hole sizes with a smooth finish. Planers cut large, flat surfaces on a workpiece, or cut many small parts simultaneously. Many milling machines are being replaced by machining centers (3523) which do a number of different operations--milling, drilling, boring, facing, spotting, counterboring, threading, and tapping--in a single setup.

Includes: Stationary drills; planing machines; milling machines; reaming machines.

Excludes: Construction, logging, and mining machinery (32); mining and drilling machinery (324); paper production machinery (374); nonpowered handtools (71); nonpowered boring and drilling handtools (711); powered handtools (72); powered boring and drilling handtools (721).

3520  Boring, drilling, planing, milling machinery, unspecified

3521  Drills--stationary
   Drill presses          Jig boring machines
   Drilling machines     Radial drills
   Gang drills

3522  Planing machines

3523  Milling machines
   Broaching machines     Machining centers

3524  Reaming machines

* - Asterisks indicate division, major group, or group titles.
3529  Boring, drilling, planing, milling machinery, n.e.c.
  Gear-cutting machinery  Nibbling machines

353*  Extruding, injecting, forming, molding machinery

This source group classifies machinery which primarily casts, extrudes, forges, or injects molten metal, plastics, rubber, or other special materials to produce workpieces.

Includes:  Casting machinery; extruding machinery; forging machinery; plastic injection molding machinery.

Excludes:  Heaters, home furnaces (3324); dies, molds, patterns (4421).

3530  Extruding, injecting, forming, molding machinery,
      unspecified

3531  Casting machinery
  Ingot molding machinery  Molding machinery
    (except plastic)

3532  Extruding machinery
  Plastic extruders  Rubber extruders
  Wire extruders

3533  Forging machinery
  Blast furnaces  Industrial furnaces
  Cold forging machinery  Industrial Ovens
  Forges  Smelters
  Hot forging machinery

3534  Plastic injection molding machinery

3539  Extruding, injecting, forming, molding machinery, n.e.c.

354*  Grinding, polishing machinery

This source group classifies machinery which primarily perform material surfacing and finishing operations (by grinding or polishing). Grinding machines usually employ a coarse, abrasive wheel. Honing and lapping machines use abrasive sticks, plates, or rolls for precise metal-finishing operations.

Includes:  Grinders, abraders; honing, polishing, lapping machinery.

Excludes:  Meat grinders (3713); powered surfacing handtools (724); buffers, polishers, waxes (7241); powered hand grinders (7242).

3540  Grinding, polishing machinery, unspecified

3541  Grinders, abraders
  Centerless grinders  Internal grinders
  Cylindrical grinders  Surface grinders

3542  Honing, polishing, lapping machinery

3549  Grinding, polishing machinery, n.e.c.

355*  Lathes

This source group classifies lathes which are used to turn and work materials of any composition. Lathes are most commonly used for machining materials to various diameters but may also be used for drilling, boring, threading, knurling, and tapering.

Includes:  Metalworking lathes; woodworking lathes.

* - Asterisks indicate division, major group, or group titles.
**356* Presses, except printing**

This source group classifies machinery which primarily function as presses, except printing presses.

*Includes:* Assembly presses; brake presses; punch presses.

*Excludes:* Fabric presses (3323); printing presses (3753).

- **3560 Presses, except printing, unspecified**
- **3561 Assembly presses**
- **3562 Brake presses**
- **3563 Punch presses**
- **3569 Presses, except printing, n.e.c.**

**357* Sawing machinery--stationary**

This source group classifies machinery which primarily perform material sawing operations.

*Includes:* Arm saws, radial arm saws; band saws; table saws.

*Excludes:* Construction, logging, and mining machinery (32); food slicers (3711); meat grinders (3713); paper production machinery (374); textile, apparel, leather production machinery (376); nonpowered handtools (71); nonpowered saws (7125); powered handtools (72); handheld power saws (7224).

- **3570 Sawing machinery--stationary, unspecified**
  - *Cutoff saws*
- **3571 Arm saws, radial arm saws**
- **3572 Band saws**
- **3573 Table saws**
- **3579 Sawing machinery--stationary, n.e.c.**
  - *Abrasive saws*  
  - *Diamond saws*

**358 Threading and tapping machines**

This source group classifies machinery which primarily perform material threading and tapping operations. Machines that make screws, bolts, and nuts are classified here.

*Includes:* Threading and tapping machines.

*Excludes:* Lathes (355).

**359* Other metal, woodworking, and special material machinery**

This source group classifies metal, woodworking, and special material machinery which perform specific functions other than those previously classified.

*Includes:* Electrochemical and discharge machinery (EDM's); laser cutting machinery; pressure fluid cutting machinery; spot welding machinery.

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* - Asterisks indicate division, major group, or group titles.
Excludes: Welding fumes (057); agricultural and garden machinery (31); construction, logging, and mining machinery (32); mining and drilling machinery (324); material handling machinery (33); food slicers (3711); meat grinders (3713); paper production machinery (374); textile, apparel, leather production machinery (376); painting, priming, metal coating machinery (3796); nonpowered handtools (71); powered handtools (72); handheld power saws (7224); powered surfacing handtools (724); welding and heating handtools (726).

3591  Electrochemical and discharge machinery (EDM)
        Electrochemical machinery (ECM)

3592  Laser cutting machinery
        Carbon-dioxide lasers  Gas lasers

3593  Pressure fluid cutting machinery

3594  Spot welding machinery
        Oxyacetylene torch  Plasma arch torch

3599  Metal, woodworking, and special material machinery, n.e.c.
        Ultrasonic machinery (USM)

36*  Office and business machinery

This major group classifies machinery and equipment which operate primarily in an office, banking, or retail environment.

Includes: Electronic computers and peripheral equipment; automated teller machines (ATM's); calculating machines and cash registers; FAX machines; mailing and metering machines; photocopiers; typewriters and word processing equipment.

Excludes: Furniture and fixtures (2); audio and video equipment (391); vending machines (3998); nonpowered staplers (7195); electric staplers (7295).

360  Office and business machinery, unspecified

361*  Electronic computers and peripheral equipment

This source group classifies mainframe, micro, personal, and mini-computers and the peripheral equipment such as printers and terminals used in conjunction with the computer.

Includes: Cathode ray tubes (CRT's) and video display terminals (VDT's); electronic computers; computer keyboards; optical scanners; printers and plotters.

Excludes: Audio and video equipment (391); word processors (3626); automated teller machines (3621); robots (392).

3610  Electronic computers and peripheral equipment, unspecified
3611  Cathode ray tubes (CRTs) and video display terminals (VDTs)
3612  Computers--electronic
3613  Keyboards--computer
3614  Optical scanners
3615  Printers and plotters--computer
3619  Electronic computers and peripheral equipment, n.e.c.

362*  Office, banking, and retail machinery

This source group classifies other machinery and equipment which primarily function in the office, banking, or retail environment.

* - Asterisks indicate division, major group, or group titles.
Includes: Automated teller machines (ATM's); calculating machines and cash registers; FAX machines; mailing and metering machines; photocopiers; typewriters and word processing equipment.

Excludes: Electronic computers and peripheral equipment (361); audio and video equipment (391); vending machines (3998); nonpowered staplers (7195); electric staplers (7295).

3620 Office and banking machinery, unspecified
3621 Automated teller machines
3622 Calculating machines and cash registers
3623 FAX machines
3624 Mailing and metering machines
3625 Photocopiers
3626 Typewriters and word processing equipment
3629 Office and banking machinery, n.e.c.

Coin-counting machinery  Dictating machines

37* Special process machinery

This major group classifies machinery which perform special processes related to specific industries other than those previously classified.

Includes: Food and beverage processing machinery; medical, surgical, and x-ray machinery and equipment; packaging, bottling, wrapping machinery; paper production machinery; printing machinery and equipment; textile, apparel, leather production machinery; other special process machinery.

370 Special process machinery, unspecified

371* Food and beverage processing machinery--specialized

This source group classifies special process machinery which are primarily used in the food and beverage industries.

Includes: Food slicers; juice, oil, fat extractors; meat grinders; food and beverage mixers, blenders, whippers.

Excludes: Packaging, bottling, wrapping machinery (373); bottling, canning, filling machinery (3731).

3710 Food and beverage processing machinery--specialized, unspecified
3711 Food slicers
3712 Juice, oil, fat extractors
3713 Meat grinders
3714 Mixers, blenders, whippers--food and beverage
3719 Food and beverage processing machinery--specialized, n.e.c.

372* Medical, surgical, and x-ray machinery and equipment

This source group classifies special process machinery which are primarily used in medical applications. x-ray machinery classified here may be used in industrial and other research applications as well as medical usage.

Includes: Medical machinery and equipment; x-ray, magnetic resonance imaging (MRI's), and fluoroscope machinery and equipment.

Excludes: Medical and surgical instruments (75); health care and orthopedic equipment, n.e.c. (794).

3720 Medical, surgical, and x-ray machinery and equipment, unspecified
3721 Medical machinery and equipment, except x-ray
3722  X-ray, magnetic resonance imaging (MRI's), and fluoroscope machinery and equipment

- Fluoroscopic x-ray
- Therapeutic x-ray
- Radiographic x-ray

3729  Medical, surgical, and x-ray machinery

373* Packaging, bottling, wrapping machinery

This source group classifies special process machinery which primarily perform packaging, bottling, and wrapping operations.

Includes: Bottling, canning, filling machinery; packaging, wrapping, bundling machinery (including boxing machinery); product labeling machinery; sealing, stapling machinery.

Excludes: Agricultural balers (3111); bindery machinery (3751).

3730  Packaging, bottling, wrapping machinery, unspecified
3731  Bottling, canning, filling machinery
3732  Packaging, wrapping, bundling machinery
3733  Product labeling machinery
3734  Sealing, stapling machinery
3739  Packaging, bottling, wrapping machinery, n.e.c.

374* Paper production machinery

This source group classifies special process machinery which are primarily operated in the paper production industry. A calendar is a form of press which uses rollers or plates to smooth and glaze cloth, rubber, or paper; or to form these materials into thin sheets. Paper production calendars are classified here. All other calendars are classified in source code 3513 (Rolling mills, rolling, calendering machinery).

Includes: Calenders/supercalenders used in paper production; coaters used in paper production; dryers used in paper production; formers used in paper production; slitters and winders used in paper production; washers, bleachers, and refiners used in paper production.

Excludes: Calenders other than those used in paper production (3513); Coating machinery other than those used in paper production (3795).

3740  Paper production machinery, unspecified
3741  Calenders/supercalenders--paper production
3742  Coaters--paper production
3743  Dryers--paper production
3744  Formers--paper production
3745  Slitters, winders--paper production
3746  Washers, bleachers, refiners--paper production
3749  Paper production machinery, n.e.c.

375* Printing machinery and equipment

This source group classifies special process machinery and equipment which are primarily operated in the printing industry.

Includes: Bindery machinery; engraving machinery; printing presses; typesetting machinery.

Excludes: Presses other than printing presses (356); laser printers (3615).

3750  Printing machinery and equipment, unspecified
3751  Bindery machinery
3752  Engraving machinery
3753  Presses--printing
3754  Typesetting machinery

* - Asterisks indicate division, major group, or group titles.
3759 Printing machinery and equipment, n.e.c.

376* Textile, apparel, leather production machinery

This source group classifies special process machinery and equipment which are primarily employed in the textile, apparel, and leather production industries.

*Includes:* Textile dyeing machinery; knitting machinery; picking, carding, combing machinery; sewing, stitching machinery; spinning machinery; weaving machinery.

*Excludes:* Dyeing machinery other than for textiles (3793).

3760 Textile, apparel, leather production machinery, unspecified
3761 Dyeing machinery—textile
3762 Knitting machinery
3763 Picking, carding, combing machinery
3764 Sewing, stitching machinery
3765 Spinning machinery
3766 Weaving machinery
3769 Textile, apparel, leather production machinery, n.e.c.

379* Other special process machinery

This source group classifies special process machinery and equipment which perform special functions or processes other than those previously classified.

*Includes:* Centrifuges; distilling andrectifying machinery; dyeing machinery other than for textiles; gas liquefying machinery; paint mixing machinery; painting, priming, metal coating machinery; pumps.

*Excludes:* Road line marking machinery (3253); textile dyeing machinery (3761); paper coating machinery (3742); powered handheld paint sprayers (7294).

3790 Other special process machinery, unspecified
3791 Centrifuges
3792 Distilling and rectifying machinery
3793 Dyeing machinery, except textile
3794 Gas liquefying machinery
3795 Paint mixing machinery
3796 Painting, priming, metal coating machinery
3797 Pumps
   - Centrifugal pumps
   - Gasoline pumps
   - Concrete pumps
   - Oil well pumps
   - Fluid power pumps
   - Water, sump pumps

3799 Special process machinery, n.e.c.

39* Miscellaneous machinery

This major group classifies machinery which perform functions or processes other than those previously classified.

*Includes:* Audio and video equipment; radios, stereos, and other audio equipment; telephones and communication equipment; televisions; tape and disk video players and recorders.

*Excludes:* Hoisting accessories (43); machinery parts (44); motors (4414); engines (4424); nonpowered handtools (71); powered handtools (72); vehicles (8); plant and industrial powered vehicles, tractors (85); forklifts (85).

391* Audio and video equipment

This source group classifies equipment and electronic appliances which are used to transmit, receive, play, and record audio and video communications.

* - Asterisks indicate division, major group, or group titles.
Includes: Radios, stereos, and other audio equipment; telephones and communication equipment; televisions; tape and disk video players and recorders.

Excludes: Dictation machines (3629); hospital monitors (3721); computer equipment (361).

| 3910 | Audio and video equipment, unspecified |
| 3911 | Radios, stereos, and other audio equipment |
| 3912 | Telephones and communication equipment |
| 3913 | Televisions |
| 3914 | Video players and recorders--tape and disk |
| 3919 | Audio and video equipment, n.e.c. |

392 Product assembly machinery, n.e.c.

This source group classifies machinery which perform product assembly operations other than those previously classified.

Includes: Robots; assembly line machinery not elsewhere classified;

Excludes: Spot welders (3594).

393 Product testing, inspecting, and diagnostic machinery, n.e.c.

This source group classifies product testing, inspecting, and diagnostic machinery which other than those previously classified.

Includes: Product-vibrating machinery; diagnostic machinery;

Excludes: Hospital diagnostic machinery (372); mineral property analyzers (3249).
399* Other machinery

This source group classifies machinery which perform specific functions or processes which are not classified elsewhere in the Machinery division.

Includes: Air compressors; garbage disposals; incinerators; snowblowers; snow plows; street sweeping and cleaning machinery (including cherry pickers); trash compactors; vending machines.

Excludes: Hoisting accessories (43); machinery parts (44); motors (4414); engines (4424); nonpowered handtools (71); powered handtools (72); vehicles (8); plant and industrial powered vehicles, tractors (85); forklifts (85).

3990 Other machinery, unspecified
3991 Air compressors
3992 Garbage disposals
3993 Incinerators
3994 Snowblowers
3995 Snow plows
3996 Street sweeping and cleaning machinery
3997 Trash compactors
3998 Vending machines
3999 Machinery, n.e.c.

Voting machines
4 PARTS AND MATERIALS

This division classifies machine parts, tool parts, and automobile parts, as well as building materials, insulating materials, and nonstructural metal materials. Many of the parts and materials classified here are the smaller components of larger machines, tools, vehicles, buildings, etc. In most instances, detailed codes for "parts" are provided for those parts expected to be sources of injury independent of the "whole" machine, tool, vehicle, building, or other object.

If a part is attached to a machine, tool, or vehicle, then the entire machine, tool, or vehicle should be listed as the source.

If a part is known to be unattached and independent of a machine, tool, or vehicle--or if it is probable that a machine, tool, or vehicle is not involved in the injury--then that specific part should be listed as the source.

If the material identified as the source of an injury is the general floor surface in a building or on the ground, then the appropriate structure or surface in division 6 (Structures and Surfaces) should be listed as the source.

If the material identified as the source of an injury is an independent, unattached element, then that specific element (part or material) should be listed as the source.

Includes: Building materials--solid elements; fasteners, connectors, ropes, ties; hoisting accessories; machine, tool, and electric parts; metal materials--nonstructural; tars, sealants, caulking, insulating material; tarps and sheeting--nonmetal; vehicle and mobile equipment parts.

Excludes: Chemicals and chemical products (0); paint, lacquer, shellac, varnish (076); containers (1); hoses (122); furniture and fixtures (2); lighting and plumbing fixtures (24); machinery (3); metallic minerals (54); nonmetallic minerals (55); structural elements (63); vehicles (8); apparel and textiles (92); paper, sheets (942).

40 Parts and materials, unspecified

41* Building materials--solid elements

This major group classifies materials which are primarily used in the construction of buildings and other structures.

Includes: Bricks, blocks, structural stone; pipes, ducts, tubing; structural metal materials; tiles, shingles; wood, lumber; other building materials.

Excludes: Building systems (61); structural elements (63); doors (631); fences (632); gates (633); roof (634); skylights (636); walls (637); windows (638); structures (64); office, plant, and residential buildings (642); scaffolds, staging (646).

410 Building materials, unspecified

411* Bricks, blocks, structural stone

This source group classifies bricks, blocks, and structural stone materials which are primarily used in the construction of buildings, surfaces, and other structures.

Includes: Bricks and pavers (ornamental, decorative paving blocks); concrete blocks, cinder blocks; structural stones or slabs.

Excludes: Metallic minerals (54); nonmetallic minerals (55); boulders (552); clay (553); rocks (555).

4110 Bricks, blocks, structural stone, unspecified
### 4111 Bricks and pavers
*Ornamental, decorative paving blocks*

### 4112 Concrete blocks, cinder blocks

### 4113 Structural stones or slabs, n.e.c.
*Cut marble splashblocks  Preformed sidewalk slabs*

### 4119 Bricks, blocks, structural stone, n.e.c.

### 412* Pipes, ducts, tubing

This source group classifies pipes, ducts, and tubing which are primarily used in buildings and other structures which require water, gas, electricity, or ventilation. **Hoses and pressure lines are classified in major group 12 (Containers--pressurized).**

**Includes:** Concrete or clay pipes and conduits; ducts; metal pipe, tubing (including stove pipe, flu lining); pipe fittings; plastic or rubber pipe and tubing.

**Excludes:** Hoses (122); pressure lines, except hoses (124); flashing (4192); gutters, downspouts (4194); building systems (61).

### 4120 Pipes, ducts, tubing, unspecified
### 4121 Concrete or clay pipes and conduits
### 4122 Ducts
### 4123 Metal pipe, tubing
### 4124 Pipe fittings
### 4125 Plastic or rubber pipe and tubing
### 4129 Pipes, ducts, tubing, n.e.c.

### 413* Structural metal materials

This source group classifies structural products made from metal. Structural metal materials that are permanent elements of buildings and other structures are classified in division 6 (Structures and Surfaces).

**Includes:** Angle irons; bars, rods, reinforcing bar (rebar); beams; grates; plates, metal panels; rails; sheet metal.

**Excludes:** Flashing (4192); gutters, downspouts (4194); aluminum siding (4196); structural metal materials that are elements of buildings and other structures (6).

### 4130 Structural metal materials, unspecified
### 4131 Angle irons
### 4132 Bars, rods, reinforcing bar (rebar)
### 4133 Beams
### 4134 Grates
### 4135 Plates, metal panels
### 4136 Rails
### 4137 Sheet metal
### 4139 Structural metal materials, n.e.c.

### 414* Tiles, shingles

This source group classifies roof, ceiling, and floor tiles, as well as roof shingles. If an injury is produced by a bundle of shingles or tiles, then source group 131 (Bundles, bales) should be listed as the source. If the tiles or shingles are part of a working (roof) surface, then a code in division 6 (Structures and Surfaces) should be selected as the source.

**Includes:** Ceiling tiles; drain, roof, and multipurpose ceramic or stone tiles; roof shingles; vinyl floor tiles.
Excludes: Tiles and shingles as part of a bundle (131); tiles and shingles as part of a working (roof) surface (6).

4140 Tiles, shingles, unspecified
4141 Ceiling tiles
4142 Ceramic or stone tiles--drain, roof, multipurpose
4143 Roof shingles, except tile
4144 Vinyl floor tiles
4149 Tiles, shingles, n.e.c.

415* Wood, lumber

This source group classifies individual pieces of wood and lumber materials that are primarily used in the construction of buildings and other structures. Dimensional lumber or plywood sheets that are part of a banded bundle should be classified in source group 131 (Bundles, bales) as a variable restraint container. Plywood, paneling, and lumber that are known to be parts of buildings or other structures should be classified in division 6 (Structures and Surfaces).

Includes: Dimensional lumber (2x4’s, etc.); plywood, wood paneling, particle board; wood pieces, trim pieces.

Excludes: Boards and sheets as part of a bundle (131); wood shingles (4143); boards and wood sheets as part of a building or other structure (6).

4150 Wood, lumber, unspecified
4151 Dimensional lumber: 2x4, 2x3, etc.
4152 Plywood, wood paneling; particle, chip, flake board
4153 Wood pieces, trim pieces, n.e.c.
4159 Wood, lumber, n.e.c.

419* Other building materials--solid elements

This source group classifies other building materials that are primarily used in protecting, sealing, and finishing building interiors and exteriors.

Includes: Fencing and screening material, n.e.c.; flashing; glass, window panes; gutters, downspouts; sheet flooring; aluminum, vinyl siding; structural hardware, n.e.c.; wallboard, drywall.

Excludes: Paint, lacquer, shellac, varnish (076); rolls of fencing, screening (133); bricks, blocks, structural stone (411); pipes, ducts, tubing (412); structural metal materials (413); tiles, shingles (414); plywood, wood paneling, particle board (4152); tars, sealants, caulking, insulating material (46); windshields, vehicle windows (484).

4190 Other building materials--solid elements, unspecified
4191 Fencing and screening material, n.e.c.
4192 Flashing
4193 Glass, window panes
4194 Gutters, downspouts
4195 Sheet flooring
4196 Siding--aluminum, vinyl
4197 Structural hardware, n.e.c.

Door knobs Latches
Hinges Locks

4198 Wallboard, drywall
4199 Other building materials--solid elements, n.e.c.

42* Fasteners, connectors, ropes, ties

This major group classifies fasteners, connectors, and binders that are primarily used to hold materials together.

* - Asterisks indicate division, major group, or group titles.
Includes: Fasteners; ropes, ties; valves, nozzles

Excludes: Variable restraint containers (13); electrical wire (4411); cable (4422); handtool clamps (7142).

420 Fasteners, connectors, ropes, ties, unspecified

421* Fasteners

This source group classifies any of various devices that are used to attach, connect, or secure things together.

Includes: Clamps, couplings; nails, brads, tacks; nuts, bolts, washers; rivets; screws; spikes; staples.

Excludes: Handtool clamps (7142); nonpowered staplers (7195); powered staplers (7295).

4210 Fasteners, unspecified
4211 Clamps, couplings
4212 Nails, brads, tacks
4213 Nuts, bolts, washers
4214 Rivets
4215 Screws
4216 Spikes
4217 Staples
4219 Fasteners, n.e.c.

422* Ropes, ties

This source group classifies ropes and ties of any composition that are used primarily for binding things together.

Includes: Bands; bungee cords; chains, n.e.c.; rope, twine, string; strapping; nonelectrical wire.

Excludes: Fasteners (421); electrical wire (4411); cable (4422).

4220 Ropes, ties, unspecified
4221 Bands
4222 Bungee cords
4223 Chains, n.e.c.
4224 Rope, twine, string
4225 Strapping
4226 Wire—nonelectrical
4229 Ropes, ties, n.e.c.

423 Valves, nozzles

This source group classifies valves which are primarily used for connecting pipe together, or are used to control the flow of liquids and gases through a system.

Includes: Valves, nozzles.

Excludes: Hoses (122); pressure lines (124); pipes (412).

429 Fasteners, connectors, ropes, ties, n.e.c.

43* Hoisting accessories

This major group classifies unattached hoisting accessories which are primarily used in conjunction with the hoisting machinery classified in source group 344 (Overhead hoists). These are primarily hoisting machinery attachments designed to grip, pick-up, or carry heavy materials.

* - Asterisks indicate division, major group, or group titles.
If the accessory is known to be attached to a hoisting machine, the entire machine should be listed as the source.

**Includes:** Fixtures, load indicators; hooks, shackles, magnets, clamshells, orange peels, grapples, anchors, cant hooks, grapnels, grappling irons/hooks; slings.

**Excludes:** Logging skidders, logging cable and grapples (3238); pulleys, sheaves, block and tackle, cable, winches (4423).

<table>
<thead>
<tr>
<th>430</th>
<th>Hoisting accessories, unspecified</th>
</tr>
</thead>
<tbody>
<tr>
<td>431</td>
<td>Fixtures, load indicators</td>
</tr>
<tr>
<td>432</td>
<td>Hooks, shackles, magnets, clamshells</td>
</tr>
<tr>
<td>433</td>
<td>Slings</td>
</tr>
<tr>
<td>439</td>
<td>Hoisting accessories, n.e.c.</td>
</tr>
</tbody>
</table>

**44* Machine, tool, and electric parts**

This major group classifies unattached machine, tool, electric, and vehicle parts and materials. If a part classified in this group is attached to a machine, tool, or vehicle at the time of injury then that entire machine, tool, or vehicle should be listed as the source.

**Includes:** Electric parts; machine and appliance parts; tool parts, accessories.

**Excludes:** Machinery (3); handtools (7); vehicles (8).

<table>
<thead>
<tr>
<th>440</th>
<th>Machine, tool, and electric parts, unspecified</th>
</tr>
</thead>
<tbody>
<tr>
<td>441*</td>
<td>Electric parts</td>
</tr>
</tbody>
</table>

This source group classifies unattached electric parts which primarily carry or generate electrical currents for machinery, vehicles, and other sources which require electrical systems.

**Includes:** Electrical wiring; generators; magnetic and electrolytic apparatus; motors; power lines, transformers, convertors; relays, rheostats, starters, controls; switchboards, switches, fuses; batteries (except vehicle), armatures, coils, distributors, spark plugs.

**Excludes:** Battery acid (0134); lamps, light bulbs (241); nonvehicle fans (3312); nonelectrical wiring (4226); nonvehicle engines, turbines (4424); vehicle engines (482); vehicle batteries (4821); vehicle fans (4824); electrical towers (647).

<table>
<thead>
<tr>
<th>4410</th>
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</thead>
<tbody>
<tr>
<td>4411</td>
<td>Electrical wiring</td>
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<tr>
<td>4412</td>
<td>Generators</td>
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<tr>
<td>4413</td>
<td>Magnetic and electrolytic apparatus</td>
</tr>
<tr>
<td>4414</td>
<td>Motors</td>
</tr>
<tr>
<td>4415</td>
<td>Power lines, transformers, convertors</td>
</tr>
<tr>
<td>4416</td>
<td>Relays, rheostats, starters, controls</td>
</tr>
<tr>
<td>4417</td>
<td>Switchboards, switches, fuses</td>
</tr>
<tr>
<td>4419</td>
<td>Electric parts, n.e.c.</td>
</tr>
</tbody>
</table>

**442* Machine and appliance parts**

This source group classifies unattached parts which primarily function as the operating parts of machines and appliances. Included here is mechanical power transmission equipment for industrial machinery and aircraft. Vehicle parts and engines are classified in major group 48 (Vehicle and mobile equipment parts).

Electrical equipment for automobiles (except batteries) and other internal combustion engines, such as generators and alternators, is included in source group 441 (Electric parts).

* - Asterisks indicate division, major group, or group titles.
This source group also includes machine parts which are used for molding, stamping, cutting, or shaping. Some items included here are punches, forming and stamping devices, dies, steel rule, diamond dies, and die-casting molds.

If a part is known or assumed to be attached to a machine when an injury occurs, then that entire machine should be listed as the source.

If a part is known to be unattached and independent of a machine, or if it is probable that a machine is not involved, then that specific part should be selected as the source.

Includes: Dies, molds, patterns; chain, leather, fabric, and vee belt drives; drums, pulleys, sheaves, cable, winches; nonvehicle engines, turbines; friction clutches; gears; rollers.

Excludes: Roller conveyors (3412); molding machinery (353); hoisting accessories (43); vehicle engines (4823).

4420 Machine and appliance parts, unspecified
4421 Dies, molds, patterns
4422 Drives--chain, leather, fabric, vee belt
4423 Drums, pulleys, sheaves

Cable Winches

4424 Engines, turbines, except vehicle
4425 Friction clutches
4426 Gears
4427 Rollers
4429 Machine and appliance parts, n.e.c.

443* Tool parts, accessories

This source group classifies unattached tool parts and accessories.

If a part is known to be attached to a tool or machine when an injury occurs, then the entire tool or machine should be listed as the source.

If a part is known to be unattached and independent of a tool or machine, or if it is unknown whether a tool or machine is involved, then that specific part should be selected as the source.

Includes: Unattached drill bits; unattached saw blades.

Excludes: Machinery (3); stationary drills (3521); stationary sawing machinery (357); nonpowered cutting handtools (712); powered cutting handtools (722).

4430 Tool parts, accessories, unspecified
4431 Drill bits--unattached
4432 Saw blades--unattached
4439 Tool parts, accessories, n.e.c.

449 Machine, tool, and electric parts, n.e.c.

45* Metal materials--nonstructural

This major group classifies nonstructural metal materials that are primarily formed to be further developed into structural metal products (e.g., reinforcing bar, sheet metal, but may also remain in a nonstructural condition as well (e.g., precious metal ingots, bars, etc.).

Includes: Nonstructural metal sheets, ingots, bars; molten or hot metals, slag.

Excludes: Structural bars (4132); structural plates, panels (4135); structural sheet metal (4137);

* - Asterisks indicate division, major group, or group titles.
450 Metal materials—nonstructural, unspecified
451 Metal sheets, ingots, bars—nonstructural
452 Molten or hot metals, slag
459 Metal materials—nonstructural, n.e.c.

46* Tars, sealants, caulking, insulating material

This major group classifies liquid and fiber materials which are primarily used to seal gaps or openings in roofs, walls, windows, and other fixtures, as well as provide insulation in buildings and other structures.

Includes: Asphalt, roofing tar; fiberglass insulation; foam caulking, foam insulation; joint compound, patching compounds; plastic, vinyl caulking; sealants, waterproofers, n.e.c.

Excludes: Adhesives (071); paint (0762); paint thinner (0772); caulking guns (7199).

460 Tars, sealants, caulking, insulation, unspecified
461 Asphalt, roofing tar
462 Fiberglass insulation
463 Foam caulking, foam insulation
464 Joint compound, patching compounds
465 Plastic, vinyl caulking
466 Sealants, waterproofers, n.e.c.
469 Tars, sealants, caulking, insulation, n.e.c.

47* Tarps and sheeting—nonmetal

This source group classifies nonmetal plastic, felt, and other fabric tarps and sheeting primarily used to protect the interiors and surfaces of structural elements such as roofs, ceilings, walls, and floors.

Includes: Roofing paper, roofing felt; plastic tarps, ground cloths, fabric sheeting.

Excludes: Rolls of roofing paper (133); tars, sealants, caulking, insulation (46).

470 Tarps and sheeting, nonmetal, unspecified
471 Roofing paper, roofing felt
472 Tarps; plastic, or fabric sheeting
479 Tarps and sheeting, nonmetal, n.e.c.

48* Vehicle and mobile equipment parts

This source group classifies unattached parts which primarily function as the operating parts of vehicles and mobile equipment.

Electrical equipment for automobiles (except batteries) and other internal combustion engines, such as generators and alternators, is included in source group 441 (Electric parts).

Mechanical power transmission equipment (e.g., engines, gears) for industrial machinery and aircraft is classified in source group 442 (Machine and appliance parts).

If a part is known to be attached to a vehicle when an injury occurs, then the entire vehicle should be listed as the source.

If a part is known to be unattached and independent of a vehicle, or if it is unknown whether a vehicle is involved, then that specific part should be selected as the source.

Includes: Tires, inner tubes, wheels; engine parts and accessories; trailers; vehicle windshields, vehicle windows.

Excludes: Headlights, lightbulbs (2412); nonvehicle glass (4193); electric parts (441); nonvehicle engines (4424); nonvehicle windows (638); vehicles (8); trailer trucks (8254).

* - Asterisks indicate division, major group, or group titles.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Includes</th>
<th>Excludes</th>
</tr>
</thead>
<tbody>
<tr>
<td>480</td>
<td>Vehicle and mobile equipment parts, unspecified</td>
<td></td>
<td></td>
</tr>
<tr>
<td>481*</td>
<td>Tires, inner tubes, wheels</td>
<td>This source group classifies unattached tires, inner tubes, and wheels used mostly in conjunction with vehicles and mobile equipment.</td>
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<td></td>
<td></td>
<td><em>Includes:</em> Bike tires; tire inner tubes; all other tires (except bike); wheels, tire rims.</td>
<td><em>Excludes:</em> Pulleys (4423); vehicles (8).</td>
</tr>
<tr>
<td>4810</td>
<td>Tires, inner tubes, wheels, unspecified</td>
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<td></td>
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<tr>
<td>4811</td>
<td>Bike tires</td>
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<td></td>
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<td>4812</td>
<td>Tire inner tubes</td>
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<td>4813</td>
<td>Tires, except bike</td>
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<tr>
<td>4814</td>
<td>Wheels, tire rims</td>
<td></td>
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</tr>
<tr>
<td>4819</td>
<td>Tires, inner tubes, wheels, n.e.c.</td>
<td></td>
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<tr>
<td>482*</td>
<td>Engine parts and accessories</td>
<td>This source group classifies unattached vehicle engine parts and accessories which are not connected to a vehicle when an injury occurs.</td>
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</tr>
<tr>
<td>4820</td>
<td>Engine parts and accessories, unspecified</td>
<td><em>Includes:</em> Battery; belts, hoses; engine block; fan; muffler, exhaust; radiator; transmission.</td>
<td><em>Excludes:</em> Garden hoses (122); house fans (3312); nonvehicle batteries (4419); nonvehicle transmission systems (442); vehicles (8).</td>
</tr>
<tr>
<td>4821</td>
<td>Battery</td>
<td></td>
<td></td>
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<tr>
<td>4822</td>
<td>Belts, hoses</td>
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<tr>
<td>4823</td>
<td>Engine block</td>
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<td>4824</td>
<td>Fan</td>
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<td>4825</td>
<td>Muffler, exhaust</td>
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<tr>
<td>4826</td>
<td>Radiator</td>
<td></td>
<td></td>
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<tr>
<td>4827</td>
<td>Transmission</td>
<td></td>
<td></td>
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<tr>
<td>4829</td>
<td>Engine parts and accessories, n.e.c.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>483</td>
<td>Trailers</td>
<td>This source group classifies trailers which are not connected to a vehicle when an injury occurs.</td>
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</tr>
<tr>
<td>484</td>
<td>Windshields, vehicle windows</td>
<td>This source group classifies vehicle windshields and windows that are not installed on a vehicle when an injury occurs.</td>
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<tr>
<td></td>
<td></td>
<td><em>Includes:</em> Unattached vehicle windshields, windows.</td>
<td><em>Excludes:</em> Nonvehicle glass (4193); nonvehicle windows (638).</td>
</tr>
</tbody>
</table>
489  Vehicle and mobile equipment parts, n.e.c.
49*  Parts and materials, n.e.c.

This major group classifies all parts and materials that are not elsewhere classified.
5* PERSONS, PLANTS, ANIMALS, AND MINERALS

This division classifies living organisms (including infectious and parasitic agents) and their products, as well as raw, metallic and nonmetallic minerals. Work-related HIV infections are classified in source group 533 (Viruses).

Includes: Animals and animal products; fresh or processed food products; infectious and parasitic agents; metallic minerals; nonmetallic minerals (except fuel); person--injured or ill worker; person--other than injured or ill worker; unprocessed plants, trees, vegetation.

Excludes: Chemicals (0); metallic particulates, trace elements, dusts, powders, fumes (05); structural and nonstructural metal materials (4); lumber (415).

51* Animals and animal products

This major group classifies living animals (except humans) as well as animal products (except food).

Includes: Nonfood animal products; birds and fowl; fish, shellfish; insects, arachnids (spiders, ticks, scorpions); mammals (except humans); reptiles, snakes; animal waste products, including manure.

Excludes: Food products (52); humans, persons (56 and 57).

510 Animals, unspecified

511* Animal products--nonfood

This source group classifies raw or unprocessed nonfood animal products.

Includes: Bones, shells; feathers; fur, wool; leather hides.

Excludes: Bone meal, ground oyster shells, dried blood, fertilizer, plant food (061); food products (52); apparel and textiles (92).

5110 Animal products--nonfood, unspecified

5111 Bones, shells

5112 Feathers

5113 Fur, wool

5114 Hides--leather

5119 Animal products--nonfood, n.e.c.

512* Birds and fowl

This source group classifies birds and fowl in a living or natural, unprocessed condition.

Includes: Birds (except fowl); chicken; ducks; geese; turkey.

Excludes: Processed poultry (526).

5120 Birds and fowl, unspecified

5121 Birds, except fowl

5122 Chicken

5123 Ducks

5124 Geese

5125 Turkey

5129 Birds and fowl, n.e.c.

513 Fish, shellfish

514 Insects, arachnids (spiders, ticks, scorpions, etc.)

515* Mammals, except humans

* - Asterisks indicate division, major group, or group titles.
This source group classifies all mammals (except humans) in a living or natural, unprocessed condition. Persons are classified in major groups 56 (Person--injured or ill worker) and 57 (Person--other than injured or ill worker).

**Includes:**
- Cats; cattle; dogs; horses; rats, rodents; sheep; swine.

**Excludes:**
- Nonfood animal products (511); fresh or processed food products (52).

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5150</td>
<td>Mammals, unspecified</td>
</tr>
<tr>
<td>5151</td>
<td>Cats</td>
</tr>
<tr>
<td>5152</td>
<td>Cattle</td>
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<td>5153</td>
<td>Dogs</td>
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<td>5154</td>
<td>Horses</td>
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<td>5155</td>
<td>Rats, rodents</td>
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<td>5156</td>
<td>Sheep</td>
</tr>
<tr>
<td>5157</td>
<td>Swine</td>
</tr>
<tr>
<td>5159</td>
<td>Mammals, n.e.c.</td>
</tr>
</tbody>
</table>

516  Reptiles, snakes

517  Animal waste products, including manure

519  Animals, n.e.c.

**52* Food products--fresh or processed**

This major group classifies fresh or processed foods obtained from animals or plants.

**Includes:**
- Bakery products, candy, confections, snack foods; beverages, n.e.c.; dairy products; fruits, nuts, vegetables; grains, grain mill products, grain dust; meat, poultry; seafood; multiple foods or groceries; fats, oils; sugar, cocoa, chocolate.

**Excludes:**
- Animals and animal products (51); cash grain crops (581); field crops (582).

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>520</td>
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</tr>
<tr>
<td>521</td>
<td>Bakery products, candy, confections, snack foods</td>
</tr>
<tr>
<td>522</td>
<td>Beverages, n.e.c.</td>
</tr>
<tr>
<td>523</td>
<td>Dairy products</td>
</tr>
<tr>
<td>524</td>
<td>Fruits, nuts, vegetables</td>
</tr>
<tr>
<td>525</td>
<td>Grains, grain mill products</td>
</tr>
<tr>
<td>526</td>
<td>Meat, poultry</td>
</tr>
<tr>
<td>527</td>
<td>Seafood</td>
</tr>
<tr>
<td>528</td>
<td>Multiple foods or groceries</td>
</tr>
<tr>
<td>529</td>
<td>Other food products--fresh or processed</td>
</tr>
<tr>
<td>5291</td>
<td>Fats, oils</td>
</tr>
<tr>
<td>5292</td>
<td>Sugar, cocoa, chocolate</td>
</tr>
<tr>
<td>5299</td>
<td>Other food products--fresh or processed, n.e.c.</td>
</tr>
</tbody>
</table>

**53* Infectious and parasitic agents**

This major group classifies organic (living) infectious and parasitic agents including bacteria, fungi, and viruses, including work-related cases of HIV infections.

**Includes:**
- Bacteria; fungi; viruses (including HIV cases).

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>530</td>
<td>Infectious and parasitic agents, unspecified</td>
</tr>
<tr>
<td>531</td>
<td>Bacteria</td>
</tr>
<tr>
<td>532</td>
<td>Fungi</td>
</tr>
<tr>
<td>533</td>
<td>Viruses</td>
</tr>
<tr>
<td>539</td>
<td>Infectious and parasitic agents, n.e.c.</td>
</tr>
</tbody>
</table>

* - Asterisks indicate division, major group, or group titles.
54* Metallic minerals

This major group classifies raw, natural metallic minerals (or combination of minerals) from which a metal (or metals), or radiation can be extracted.

Includes: Nonradiating metal ores; natural and processed radiating metals.

Excludes: Metallic particulates, trace elements, dusts, powders, fumes (05); structural and nonstructural metal materials (4); nonmetallic minerals, except fuel (55).

540 Metallic minerals, unspecified

541 Metal ores--nonradiating

This source group classifies nonradiating metal ores.

Includes: Copper ore; gold, platinum, silver ore; iron ore; lead ore; zinc ore; bronze ore; mercury ore; nickel ore; tin ore.

Excludes: Molten metal (452).

542* Radiating metals, natural and processed

This source group includes substances which emit energy in the form of rays of light, heat, alpha, beta, gamma, etc. This code would be used only in cases of radiation injuries. Reactor fuel or waste can be either uranium or plutonium and, therefore, should be classified in 5420 (unspecified).

Includes: Plutonium; radium; uranium.

Excludes: Nonradiating metal ores (541).

5420 Radiating metals, natural and processed, unspecified

5421 Plutonium

5422 Radium

5423 Uranium

5429 Radiating metals, natural and processed, n.e.c.

549 Metallic minerals, n.e.c.

55* Nonmetallic minerals, except fuel

This major group classifies natural and processed products of mining, excavating, landslides, etc., except fuel.

Includes: Asbestos; boulders; natural and processed clay; dirt, earth; rocks, crushed stone; sand, gravel; silica.

Excludes: Dry cement, mortar mix (0211); fuel (08); ditches, channels, trenches, excavations (627); mines, caves, tunnels (644); dust (95).

550 Nonmetallic minerals, except fuel, unspecified

551 Asbestos

This source group classifies asbestos minerals: rock-forming minerals that are separated into long, thread-like fibers.

552 Boulders

This source group classifies large masses of stone detached from the mass as they are primarily found in natural settings.

* - Asterisks indicate division, major group, or group titles.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>553</td>
<td>Clay--natural and processed</td>
</tr>
<tr>
<td>554</td>
<td>Dirt, earth</td>
</tr>
<tr>
<td>555</td>
<td>Rocks, crushed stone</td>
</tr>
<tr>
<td>556</td>
<td>Sand, gravel</td>
</tr>
<tr>
<td>557</td>
<td>Silica</td>
</tr>
<tr>
<td>559</td>
<td>Nonmetallic minerals, except fuel, n.e.c.</td>
</tr>
</tbody>
</table>

### 56* Person--injured or ill worker

This major group classifies self-injured persons; bodily conditions; and self-induced bodily motion injuries.

**Includes:** Bodily conditions or injured, ill worker; bodily motion or position of injured, ill worker.

**Excludes:** Injuries or illnesses inflicted by bodily fluids or substances, or other persons (57).

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>561</td>
<td>Bodily conditions of injured, ill worker</td>
</tr>
<tr>
<td>562</td>
<td>Bodily motion or position of injured, ill worker</td>
</tr>
</tbody>
</table>

### 57* Person--other than injured or ill worker

This major group classifies injuries or illnesses inflicted by family members as well as non-family relations including co-workers, ex co-workers, and patients.

**Includes:** Bodily fluids or substances of person (including blood, sweat, tears, saliva, urine, fecal matter); co-worker, former co-worker of injured or ill worker; health care patient or resident of health care facility; relative of injured or ill worker.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>570</td>
<td>Person--other than injured or ill worker, unspecified</td>
</tr>
<tr>
<td>571</td>
<td>Bodily fluids or substances of person</td>
</tr>
<tr>
<td>572</td>
<td>Co-worker, former co-worker of injured or ill worker</td>
</tr>
<tr>
<td>573</td>
<td>Health care patient or resident of health care facility</td>
</tr>
<tr>
<td>574</td>
<td>Relative of injured or ill worker</td>
</tr>
<tr>
<td>579</td>
<td>Person--other than injured or ill worker, n.e.c.</td>
</tr>
</tbody>
</table>

* - Asterisks indicate division, major group, or group titles.
58* Plants, trees, vegetation--not processed

This major group classifies plants, trees, and vegetation in a natural or unprocessed condition. Source group 587 (Trees, logs), includes cut trees with limbs, or if it is unclear whether limbs are attached.

Includes: Cash grain crops (including corn, rice, soybeans, wheat); field crops (including cotton, potatoes, sugarcane, tobacco); flowers; houseplants; poison ivy, oak, sumac; shrubs, grasses; trees, logs.

Excludes: Lumber (415); processed wood pieces (4153); fresh or processed food products (52).

580 Plants, trees, vegetation, unspecified
581 Cash grain crops
582 Field crops
583 Flowers
584 Houseplants
585 Poison ivy, oak, sumac
586 Shrubs, grasses
587 Trees, logs
589 Plants, trees, vegetation--not processed, n.e.c.

59 Persons, plants, animals, and minerals, n.e.c.

This major group classifies plants, animals, and minerals not elsewhere classified.

* - Asterisks indicate division, major group, or group titles.
6* STRUCTURES AND SURFACES

This division classifies all types of structures and structural elements including building structures and systems, bridges, stadia, tunnels, towers, and dams as well as other structural elements. Also classified here are walking, working, and road surfaces. Structural elements, including doors, windows, roofs, and walls, are classified in major group 63 (Other structural elements).

If the material identified as the source of an injury is the general floor surface in a building or on the ground, then the appropriate structure or surface in this division should be selected as the source.

If the material identified as the source of an injury is an independent, unattached element, then that specific element (part or material) should be listed as the source. Structural elements such as prefabricated roof trusses and windows, structures in their own right, should be listed as the source regardless of whether they are independent or part of a building.

Any ladder that is a fixed or temporary part of any structure is classified in major group 74 (Ladders).

Includes: Building systems; floors, walkways, ground surfaces; other structural elements; structures.

Excludes: Bricks, blocks, structural stone (411); unattached structural metals (413); unattached building materials (419); ladders (74).

60 Structures and surfaces, unspecified

61* Building systems

This major group classifies the mechanical systems in a building, including the climate control and plumbing systems. This category will primarily be used as a secondary source to classify building system complications which produce injuries or illnesses. For example, illnesses produced by foreign particles in the air may be the result of a poor ventilation (climate control) system; illnesses produced by contaminated drinking water may be the result of a poor plumbing system.

Includes: Climate control system; plumbing system.

Excludes: Fixtures (24); electric parts (441).

610 Building system, unspecified

611 Climate control system

612 Plumbing system

619 Building system, n.e.c.

62* Floors, walkways, ground surfaces

This major group classifies walking, working, floor, and road surfaces. These surfaces can be temporary or permanent, indoors or outdoors, above or below ground, etc.

If the surface identified as the source of an injury is the general floor surface in a building or on the ground, regardless of whether it is a permanent element of a building, then the appropriate surface in this major group should be selected as the source.

Includes: Escalators; floors; ground; sidewalks, paths, outdoor walkways; stairs, steps; street, road; ditches, channels, trenches, excavations; piers, wharfs; ramps, runways, loading docks; moving walkways.

Excludes: Injuries where the floor, walkway, or ground surface is not the source of the injury.

620 Floors, walkways, ground surfaces, unspecified

621 Escalators

This source group classifies escalators mainly used as mechanical steps for the transportation of people from one level to another.

* - Asterisks indicate division, major group, or group titles.
Includes: Escalators.

Excludes: Elevators (346); stairs, steps (625); moving walkways (6293).

622* Floors

This source group includes the floor surface of any structure, vehicle, or machine, and excludes outdoor ground surfaces (623), below ground surfaces (627), piers, wharfs (6291), ramps, runways, loading docks (6292), moving walkways (6293) and roofs (634).

Note that roofs, even when used as working surfaces, are classified in source group 634 (Roof).

Includes: Building floor (including basement) surfaces; elevator floor surfaces; mine floor surfaces; scaffold, staging, or temporary work platforms; vehicle floor surfaces.

Excludes: Outdoor ground surfaces (623); below ground surfaces such as ditches and trenches (627); roofs (634).

6220 Floor, unspecified
6221 Floor of building
6222 Floor of elevator
6223 Floor of mine
6224 Floor of scaffold, staging, or temporary work platform
6225 Floor of vehicle
6229 Floor, n.e.c.

623 Ground

This source group classifies any natural surface in the outdoors on which an employee is supported other than sidewalks, paths, and walkways.

Includes: Outdoor ground surfaces; athletic fields.

Excludes: Other dirt, earth (554); sidewalks, paths, walkways (624); street, road (626); ditches, channels, trenches, excavations (6271); parking lots (628).

624 Sidewalks, paths, outdoor walkways

This source group consists of any outdoor sidewalk, path, or walkway when used as a surface on which a person is supported.

Includes: Sidewalks, paths, walkways, jogging trails, bicycle paths, and hiking trails.

Excludes: Ground (623).

625* Stairs, steps

This source group classifies any stairs or steps inside or outside, when used as a surface on which a person is supported, except ladders (74).

Includes: Indoor stairs, steps; outdoor stairs, steps.

Excludes: Escalators (621); ladders (74).

* - Asterisks indicate division, major group, or group titles.
6250  Stairs, steps, unspecified
6251  Stairs, steps--indoors
6252  Stairs, steps--outdoors

626  Street, road

This group includes any part of a public or private street or road that is used as a surface that supports people or vehicles.

Includes:  Public and private streets, roads; driveways.
Excludes:  Athletic fields (623); parking lots (628).

627*  Surfaces below ground level, n.e.c.

This source group classifies outside surfaces (except floors) below ground level such as ditches, channels, trenches, and excavations.

Includes:  Ditches, channels, trenches, excavations.
Excludes:  Floors (622); basement floors (6221); ground surfaces (623); mines (6441).

6270  Surfaces below ground level, unspecified
6271  Ditches, channels, trenches, excavations
6279  Surfaces below ground level, n.e.c.

628  Parking lots

This source group classifies parking lot surfaces of any composition including gravel, dirt, concrete, etc.

Includes:  Parking lot surfaces; parking garage surfaces.
Excludes:  Streets, roads, driveways (626).

629*  Other floors, walkways, ground surfaces

This source group classifies other common surfaces including piers and wharfs; ramps, runways, and loading docks; and moving walkways.

Includes:  Piers, wharfs; ramps, runways (including airport), loading docks; moving walkways.
Excludes:  Floors (622); ground (623); sidewalks, paths, outdoor walkways (624); stairs, steps (625); street, road (626); below ground surfaces (627); parking lots (628).

6290  Other floors, walkways, ground surfaces, unspecified
6291  Piers, wharfs
6292  Ramps, runways, loading docks
6293  Moving walkways
6299  Floors, walkways, ground surfaces, n.e.c.

63*  Other structural elements

This group classifies the separate structural elements that are parts of buildings and other structures. Structural elements should be listed as the source of an injury regardless of whether they are independent or part of a building.

Includes:  Doors; fences, fence panels; gates; roof; roof trusses; skylights; walls; windows.

* - Asterisks indicate division, major group, or group titles.
**Excludes:** Unattached building materials (41); unattached bricks, blocks, structural stone (411); unattached structural metals (413); ladders (74).

630 Other structural elements, unspecified
631 Doors
632 Fences, fence panels
633 Gates
634 Roof
635 Roof trusses
636 Skylights
637 Walls
638 Windows
639 Structural elements, n.e.c.

64* Structures

This major group classifies any type of constructed structures (e.g., buildings, stadia, tunnels, pools, scaffolding, towers), including structures over land and water such as dams and bridges.

Specific structural surfaces (floors, stairs) and elements (window, door, roof) which produce an injury are classified in major groups 62 (Floors, walkways, ground surfaces), and 63 (Other structural elements).

**Includes:**
Bridges, dams, locks; office, plant, and residential buildings; grandstands, stadia; mines, caves, tunnels; pools; scaffolds, staging; towers, poles; guardrails, road dividers, hydrants, wells.

**Excludes:** Floors, walkways, and ground surfaces (62); structural elements including doors, roofs, walls, windows, etc. (63).

640 Structures, unspecified
641 Bridges, dams, locks

This source group classifies all types of structural bridges, dams, and locks including foot and swinging bridges over land or water. Bridge and overpass abutments are also classified here.

642 Buildings--office, plant, residential

This source group classifies office, plant, and residential buildings including factories, warehouses, sheds, barns, boat houses, apartments, skyscrapers, gas stations, schools, theaters, auditoriums, etc. Sports facilities are classified in 643 (Grandstands, stadia).

643 Grandstands, stadia

This source group classifies all grandstands, sports arenas, and stadia, including covered or enclosed facilities.

Scaffolds and staging are classified in source group 646 (Scaffolds, staging).

644* Mines, caves, tunnels

This source group classifies mines (above and below surface), caves, and tunnels (including subway, train, sewer, and pedestrian tunnels).

**Includes:** Mines, mine tunnels; pedestrian tunnels; sewers, manholes, storm drains; subway and train tunnels.

**Excludes:** Ditches, channels, trenches, excavations (6271); bridges (641).

* - Asterisks indicate division, major group, or group titles.
640 Mines, caves, tunnels, unspecified
641 Mines, mine tunnels
642 Pedestrian tunnels
643 Sewers, manholes, storm drains
644 Subway and train tunnels
649 Mines, caves, tunnels, n.e.c.

645 Pools
This source group classifies above and below ground swimming pools.

646* Scaffolds, staging
This source classifies all types of scaffolds and staging used inside or outside buildings, stadiums, or amphitheaters.

Includes: Improvised staging; self-supporting staging; staging supported by structure or other means (including catwalks); suspended staging.

Excludes: Floor surfaces of scaffolds, staging, or temporary work platforms (6224).

6460 Scaffolds--staging, unspecified
6461 Scaffolds--improvised staging
6462 Scaffolds--self-supporting staging
6463 Scaffolds--staging supported by structure or other means
6464 Scaffolds--suspended staging
6469 Scaffolds--staging, n.e.c.

647 Towers, poles
This source group classifies all types of poles, towers, and antennae.

Includes: Fire and range towers; oil rigs; telephone poles, power poles; radar, radio, and television antennas; satellite dishes.

Excludes: Floor surfaces (622); power and telephone lines (4415).

648* Other structures
This source group classifies other structures not previously classified.

Includes: Guardrails, road dividers; fire, water hydrants; wells.

6480 Other structures, unspecified
6481 Guardrails, road dividers
6482 Hydrants
6483 Wells
6489 Structures, n.e.c.

69 Structures and surfaces, n.e.c.
This major group classifies structures and surfaces not elsewhere classified.

* - Asterisks indicate division, major group, or group titles.
This division classifies handtools (nonpowered; powered; power not determined), ladders (fixed; movable),
equipment (photographic; protective; recreation, athletic), and instruments (medical and surgical). Other
tools and instruments such as clocks, eating and cooking utensils, firearms, other health care and orthopedic
equipment, musical instruments, sewing notions, wheelchairs, and writing supplies are also included in this
division.

If a part that produces an injury is attached to a tool (e.g., a saw blade or drill bit) then the entire tool
should be listed as the source.

If a part is known to be unattached and independent of a tool--or if it is probable that a tool is not
involved in the injury--then that specific part should be listed as the source. Unattached drill bits and saw
blades are classified in source group 443 (Tool parts, accessories).

Certain handtools are manufactured in both powered and nonpowered varieties. If it cannot be determined
whether a handtool is powered or nonpowered, it should be classified in major group 73 (Handtools--power
not determined).

Includes: Nonpowered handtools; powered handtools; handtools--power not determined; ladders;
medical and surgical instruments; photographic equipment; protective equipment (except
clothing); recreation and athletic equipment; clocks; cooking and eating utensils (except
knives); firearms; health care and orthopedic equipment, n.e.c.; musical instruments;
sewing notions, n.e.c.; wheelchairs; writing, drawing, and art supplies.

Excludes: Containers (1); furniture and fixtures (2); tool chests (212); machinery (3); mechanical
jacks (3472); parts and materials (4); hoisting accessories (43); machine, tool, and electric
parts (44); tool parts, accessories (443); tarp (472).

Includes: The following types of nonpowered handtools: boring handtools; cutting
handtools; digging handtools; gripping handtools; measuring handtools; striking
and nailing handtools; surfacing handtools; turning handtools; cleaning
handtools; crowbars; pitchforks; rakes; stapling tools.

Excludes: Workbenches, worktables (232); hoisting accessories (43); metal fasteners such
as nails, screws, nuts, and bolts (421); unattached drill bits and saw blades (443);
powered handtools (72); handtools--power undetermined (73); carts and
wheelbarrows (86).

Includes: Augers; braces; drills.

Excludes: Unattached drill bits (4431); boring and drilling machinery (352);
upright drill presses (3521); powered boring handtools (721).
### 7110 Boring handtools--nonpowered, unspecified

#### 7111 Augers
- Augers
- Corkscrews
- Bores
- Counterbores
- Breast augers
- Wimbles

#### 7112 Braces
- Bit braces
- Braces
- Brace and bits
- Joist braces

#### 7113 Drills
- Breast drills
- Gimlets
- Hand drills
- Pin vises
- Push drills
- Reamers
- Ratchet drills

#### 7119 Boring handtools--nonpowered, n.e.c.
- Awls
- Bradaws
- Bodkins (make holes in cloth)

### 712* Cutting handtools--nonpowered

This source group classifies sharp-edged handtools which are commonly used to penetrate and separate objects, fabrics, etc.

**Includes:**
- Axes, hatchets; bolt cutters; chisels; knives; saws; scissors, snips, shears.

**Excludes:**
- Sawing machinery (357); unattached saw blades (4432); Spokeshaves, shavehooks (7172); putty knives (7179); powered cutting handtools (722); scalpels and surgical knives (752).

#### 7120 Cutting handtools--nonpowered, unspecified

#### 7121 Axes, hatchets
- Adzes
- Froes
- Axes
- Grub axes
- Bark spuds
- Halberds
- Battle-axes
- Hatchets
- Broadaxes
- Poleaxes
- Broad hatchets
- Tomahawks
- Celts (stone axe)

#### 7122 Bolt cutters
- Bolt cutters
- Pliers--cutting
- Chain cutters
- Wire cutters
- Lock cutters

#### 7123 Chisels
- Chisels--bench
- Chisels--mortise
- Chisels--cold
- Chisels--paring
- Chisels--construction
- Chisels--socket
- Chisels--corner
- Chisels--steel
- Chisels--deep-mortise
- Chisels--wood
- Chisels--dog leg
- Socket slicks
- Chisels--dovetail

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* Asterisks indicate division, major group, or group titles.
<table>
<thead>
<tr>
<th>7124</th>
<th>Knives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bayonets</td>
<td>Mat cutters</td>
</tr>
<tr>
<td>Bread knives</td>
<td>Palette knives</td>
</tr>
<tr>
<td>Bushwhackers</td>
<td>Pocket knives</td>
</tr>
<tr>
<td>Butcher knives</td>
<td>Potato Peelers</td>
</tr>
<tr>
<td>Carving knives</td>
<td>Pushknives</td>
</tr>
<tr>
<td>Cleavers</td>
<td>Scrapers (used with lathes)</td>
</tr>
<tr>
<td>Daggers</td>
<td>Scythes</td>
</tr>
<tr>
<td>Detail knives</td>
<td>Shaping knives</td>
</tr>
<tr>
<td>Dowel makers (used with lathes)</td>
<td>Shavers</td>
</tr>
<tr>
<td>Drawknives</td>
<td>Sickles</td>
</tr>
<tr>
<td>Flails--hand-threshing</td>
<td>Steak knives</td>
</tr>
<tr>
<td>Gouges</td>
<td>Stiletto</td>
</tr>
<tr>
<td>Groovers</td>
<td>Swords</td>
</tr>
<tr>
<td>Hacks</td>
<td>Table knives</td>
</tr>
<tr>
<td>Hunting knives</td>
<td>Whittling knives</td>
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<tr>
<td>Inshavers</td>
<td>Veiners</td>
</tr>
<tr>
<td>Knife Blades</td>
<td>Woodcarving knives</td>
</tr>
<tr>
<td>Lances</td>
<td>Woodturning tools (used with lathes)</td>
</tr>
<tr>
<td>Linoleum knives</td>
<td>X-Acto knives</td>
</tr>
<tr>
<td>Machetes</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>7125</th>
<th>Saws</th>
</tr>
</thead>
<tbody>
<tr>
<td>Backsaws</td>
<td>Hand saws</td>
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<tr>
<td>Bow saws</td>
<td>Ryoba saws</td>
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<tr>
<td>Coping saws</td>
<td>Scroll saws</td>
</tr>
<tr>
<td>Cross-cut saws</td>
<td>Turning saws</td>
</tr>
<tr>
<td>Dozuki saws</td>
<td>Veneer saws</td>
</tr>
<tr>
<td>Fret saws</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7126</th>
<th>Scissors, snips, shears</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clippers--grass</td>
<td>Shears--hedge</td>
</tr>
<tr>
<td>Scissors--hand</td>
<td>Shears--pruning</td>
</tr>
<tr>
<td>Scissors--barber's</td>
<td>Snips--tin</td>
</tr>
<tr>
<td>Scissors--school</td>
<td>Trimmers--hedge</td>
</tr>
<tr>
<td>Scissors--tailor's</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7129</th>
<th>Cutting handtools--nonpowered, n.e.c.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can openers--hand-operated</td>
<td>Paper cutters</td>
</tr>
<tr>
<td>Chasers (cut screw threads)</td>
<td>Paper-hole punches</td>
</tr>
<tr>
<td>Glass cutters</td>
<td>Razorblades</td>
</tr>
<tr>
<td>Lawn edgers</td>
<td>Razors</td>
</tr>
<tr>
<td>Letter openers</td>
<td>Wedges</td>
</tr>
<tr>
<td>Nail clippers</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>713*</th>
<th>Digging handtools--nonpowered</th>
</tr>
</thead>
</table>

This source group classifies nonpowered handtools which are commonly used for turning up, loosening, or removing earth.

Includes: Hoes; picks; shovels; trowels; post hole diggers.

Excludes: Excavating machinery (321); pitchforks (7193); rakes (7194).

<table>
<thead>
<tr>
<th>7130</th>
<th>Digging handtools--nonpowered, unspecified</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>7131</th>
<th>Hoes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hoes--garden</td>
<td>Hoes--masons'</td>
</tr>
<tr>
<td>Hoes--grub</td>
<td>Hoes--scuffle</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7132</th>
<th>Picks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pick-axes</td>
<td>Mattocks (combination adz, pick, and axe)</td>
</tr>
<tr>
<td>Picks--ice</td>
<td></td>
</tr>
</tbody>
</table>

* - Asterisks indicate division, major group, or group titles.
### 7133 Shovels

*Shovels--snow*  
*Spades*

### 7134 Trowels

*Scoops--hand*  
*Trowels--cement*  
*Spuds (combination trowel and chisel)*  
*Trowels--garden*

### 7139 Digging handtools--nonpowered, n.e.c.

*Dibbles (make seed holes in garden)*  
*Post hole diggers*

### 714* Gripping handtools--nonpowered

This source group classifies nonpowered handtools which are commonly used for clutching, squeezing, or gripping objects.

**Includes:**  
Pliers, tongs; vises, clamps; gear pullers.

**Excludes:**  
Clamps used as fasteners (4211); hooks (bush, grass, baling, and husking), grappling irons/hooks, anchors, cant hooks (432); peavies (7199); medical forceps (759).

### 7140 Gripping handtools--nonpowered, unspecified

#### 7141 Pliers, tongs

*Forceps--excluding medical*  
*Tweezers*  
*Nippers*  
*Tongs--Ice*  
*Pincers*  
*Tongs--Oyster*  
*Pliers*  
*Vise-Grips*

#### 7142 Vises, clamps

*Bench Dogs*  
*Clamps--spreader*  
*Bench Screws*  
*Clamps--spring*  
*Clamps--band*  
*Clamps--toggle*  
*Clamps--bar*  
*Handscrews*  
*Clamps--cam*  
*Vises--bench*  
*Clamps--edging*  
*Vises--front*  
*Clamps--hand*  
*Vises--miter*  
*Clamps--pipe*

### 7149 Gripping handtools--nonpowered, n.e.c.

*Nutcrackers*  
*Pullers--wheel, gear, bearing*

### 715* Measuring handtools--nonpowered

This source group classifies nonpowered handtools which are commonly used to ascertain measurements.

**Includes:**  
Calipers, micrometers; dividers; gauges; levels; plumb bobs; rulers; tape measures; squares; scales.

**Excludes:**  
Diagnostic machinery (393).

### 7150 Measuring handtools--nonpowered, unspecified

#### 7151 Calipers, micrometers

*Calipers--dial*  
*Calipers--vernier*  
*Calipers--inside*  
*Calipers--yankee*  
*Calipers--micrometer*  
*Micrometers*  
*Calipers--outside*

#### 7152 Dividers

*Dividers*  
*Trammel heads*

* - Asterisks indicate division, major group, or group titles.
7153 Gauges
   Center finders
   Gauges--dovetail
   Gauges--marking
   Gauges--multi
   Gauges--profile
   Gauges--scoring

7154 Levels
   Levels
   Spirit levels

7155 Plumb bobs
   Plumbs
   Plumb bobs

7156 Rulers, tape measures
   Angle finders
   Metersticks
   Protractors
   Rules
   Rules--bench
   Rules--centering
   Rules--foot
   Rules--parallel
   Rules--pocket
   Size sticks
   Straight edges
   Tape lines
   Tape measures
   Triangles
   Yardsticks

7157 Squares
   Bevels
   Combination builders tools
   Squares
   Squares--combination
   Squares--engineers
   Squares--framing
   Sq rounds
   T squares
   Try squares

7159 Measuring handtools--nonpowered, n.e.c.
   Balances
   Sextants
   Compasses--magnetic
   Scales
   Compasses--measuring
   Scales--bathroom
   Pantographs

716* Striking and nailing handtools--nonpowered

This source group classifies nonpowered handtools which are commonly used for delivering blows or strokes, or for nailing.

Includes: Hammers; mallets; punches, counterpunches, countersinks; sledges.

Excludes: Nonpowered staplers (7195); powered striking and nailing handtools (723); powered nail guns (7291).

7160 Striking handtools--nonpowered, unspecified

7161 Hammers
   Hammers--ball peen
   Hammers--cabinetmakers
   Hammers--claw
   Hammers--framers
   Hammers--meat
   Hammers--tack
   Mauls

7162 Mallets
   Gavels
   Mallets--beechwood
   Mallets--carver's
   Mallets--cocobolo
   Mallets--printers'
   Mallets--rawhide
   Mallets--rubber

7163 Punches, counterpunches, countersinks
   Counterpunches
   Countersinks
   Pitches
   Punches--belt
   Punches--center

7164 Sledges

* - Asterisks indicate division, major group, or group titles.
### Tools, Instruments, and Equipment

#### 7169 Striking handtools--nonpowered, n.e.c.
- **Batons--police**
- **Beetles**
- **Billy clubs**
- **Blackjacks**
- **Bludgeons**
- **Clubs**
- **Nightsticks**
- **Nunchucks**
- **Staves**
- **Tampers**

#### 717* Surfacing handtools--nonpowered

This source group classifies nonpowered handtools which are commonly used to plane, shape, or make smooth surfaces.

**Includes:** Files; planes; sanders; sharpening stones and wheels.

**Excludes:** Planing machinery (352); grinding, polishing machinery (354); drawknives, gouges and groovers (woodcarving chisels), inshavers, veiners, and pushknives (7124).

#### 7170 Surfacing handtools--nonpowered, unspecified

##### 7171 Files
- Emery boards
- Files--bastard
- Files--cabinet
- Files--detail
- Files--diamond
- Files--nail
- Files--needle
- Files--round
- Files--wood
- Rasps--cabinet
- Rasps--keyway
- Rasps--needle
- Rasps--round
- Rasps--sculptor's
- Rifflers

##### 7172 Planes
- Cornering tools
- Planes--bench
- Planes--block
- Planes--bullnose
- Planes--butt Mortise
- Planes--combination
- Planes--compass
- Planes--fore
- Planes--hollowing
- Planes--jack
- Planes--jointer
- Planes--rabbet
- Planes--router
- Planes--scrub
- Planes--smoothing
- Planes--trimming
- Scrapers--cabinet
- Shavehooks
- Spokeshaves

##### 7173 Sanders
- Abrasive pads
- Hand sanders
- Sanding grips
- Sanding sticks
- Sandpaper

##### 7174 Sharpening stones and wheels
- Corundum stone
- Emery wheels
- Honing stones
- Multi-stones
- Oilstone
- Pumice stone
- Slipstones
- Water stones
- Whetstone

##### 7179 Surfacing handtools--nonpowered, n.e.c.
- Bench strips
- Paint scrapers
- Putty knives
- Scouring pads
- Sharpening straps
- Slicks

#### 718* Turning handtools--nonpowered

* - Asterisks indicate division, major group, or group titles.
This source group classifies nonpowered handtools which are commonly used to revolve or rotate screws, nuts, bolts, and pipes. Included here are screwdrivers, ratchet drivers, and wrenches.

Includes: Screwdrivers; wrenches.

Excludes: Lathes (355); powered turning handtools (725).

7180 Turning handtools--nonpowered, unspecified

7181 Screwdrivers

- Phillips head
- Ratchet drivers

7182 Wrenches

- Spanners
- Wrenches--adjustable
- Wrenches--allen
- Wrenches--box
- Wrenches--monkey
- Wrenches--open-end
- Wrenches--pipe
- Wrenches--socket
- Wrenches--spark-plug
- Wrenches--tuning

7189 Turning handtools--nonpowered, n.e.c.

719* Other handtools--nonpowered

This source group classifies other nonpowered handtools not previously classified.

Includes: Brooms, mops, and other cleaning tools; crowbars; pitchforks, sading forks; rakes; nonpowered stapling tools.

Excludes: Workbenches, worktables (232); hoisting accessories (43); metal fasteners such as nails, screws, nuts, and bolts (421); unattached drill bits and saw blades (443); powered handtools (72); handtools--power undetermined (73); carts and wheelbarrows (86).

7190 Other handtools--nonpowered, unspecified

7191 Brooms, mops, and other cleaning tools

- Brooms--hand
- Brooms--push
- Brooms--straw
- Brushes--cleaning
- Brushes--steel
- Dusters--feather
- Leaf skimmers
- Mops
- Rags
- Ram rods (cleaning rods)
- Sponges

7192 Crowbars

- Nail pullers
- Pinch bars (large crowbars)

Prying bars
Wrecking bars

7193 Pitchforks, sading forks

- Garden fork
- Hay fork
- Manure fork

7194 Rakes

- Rakes--garden
- Rakes--leaf
- Rakes--swimming pool

7195 Stapling tools--nonpowered

- Staplers--nonpowered
- Staple guns--nonpowered

* - Asterisks indicate division, major group, or group titles.
7199 Handtools—nonpowered, n.e.c.

- Caulking guns
- Grease guns
- Hawks (mortar holders)
- Jigs
- Keys
- Miter boxes
- Padlocks
- Paint brushes
- Paint sticks
- Peavies--log handling
- Rollers--paint
- Safety guides
- Staple removers

72* Handtools—powered

This major group classifies all of the handtools which are hand-held and require a source of energy to operate (i.e., electricity, gasoline, diesel, coal, air, steam, water, or gunpowder). Powered handtools are grouped according to their common functions.

If a drill bit, saw blade, or other tool part produces an injury is attached to a handtool then the entire handtool should be listed as the source. Unattached drill bits and saw blades are classified in source group 443 (Tool parts, accessories).

If a part is known to be unattached and independent of a handtool--or if it is probable that a handtool is not involved in the injury--then that specific part should be listed as the source. Handtool parts are classified in source group 443 (Tool parts, accessories).

Certain handtools are manufactured in both powered and nonpowered varieties. If it cannot be determined whether a handtool is powered or nonpowered, it should be classified in major group 73 (Handtools--power not determined).

Includes: The following types of powered handtools: boring handtools; cutting handtools; striking and nailing handtools; surfacing handtools; turning handtools; welding and heating handtools; mail guns; powered scrubbers, waxes; handheld paint sprayers; electric or pneumatic stapling tools.

Excludes: Machinery (3); agricultural and garden machinery (31); power lawn mowers (3121); hair and hand dryers (3335); vacuum cleaners (3336); hydraulic, pneumatic machinery, woodworking machinery (35); stationary drills (3521); stationary saws (357); unattached drill bits, saw blades (443); nonpowered handtools (71).

720 Handtools—powered, unspecified

721* Boring handtools—powered

This source group classifies powered hand-held boring tools such as portable electric drills, compressed-air drills, braces, and augers.

Unattached drill bits are classified in 4431 (Drill bits--unattached).

Includes: Augers; braces; drills.

Excludes: Drilling machines and augers used in construction and mining (3241); boring, drilling, and milling machines used in manufacturing (352); unattached drill bits (4431).

7210 Boring handtools--powered, unspecified

7211 Augers--powered

7212 Braces--powered

7213 Drills--powered

- Countersinks--powered
- Drills--cordless
- Drills--hand
- Drills--pneumatic
- Drills--variable speed

* - Asterisks indicate division, major group, or group titles.
7214  Routers and molders--powered
7219  Boring handtools--powered, n.e.c

722*  Cutting handtools--powered

This source group classifies powered hand-held cutting tools such as power chisels, power knives, portable power saws, and electric cutters, shears, and razors. Unattached saw blades are classified in 4432 (Saw blades--unattached).

Includes: Chainsaws; powered chisels; powered knives; powered saws (except chainsaws); handheld powered lawn cutters, weed trimmers.

Excludes: Stationary sawing machinery (357); laser cutting machinery (3592); unattached saw blades (4432).

7220  Cutting handtools--powered, unspecified
7221  Chainsaws--powered
7222  Chisels--powered
7223  Knives--powered
7224  Saws--powered, except chainsaws  
        Circular saws  Jig saws
7229  Cutting handtools--powered, n.e.c.  
        Cutters--powered  Shears--powered
        Edgers--powered  Trimmers--powered
        Razors--electric

723*  Striking and nailing handtools--powered

This source group classifies powered handtools which are commonly used for delivering blows or strokes, or for nailing.

Includes: Powered hammers; jackhammers; powered punches; powered riveters.

Excludes: Pile driving, stamping machinery--construction (3293); nonpowered striking and nailing handtools (716); powered nail guns (7291); powered stapling tools (7295).

7230  Striking handtools--powered, unspecified
7231  Hammers--powered
        Air hammers  Hammers--electric
        Chipping hammers--electric  Power hammers
7232  Jackhammers--powered
        Hammers--pile driving
        Hammers--steam

7233  Punches--powered
7234  Riveters--powered
        Hammers--electric riveting  Riveters--pneumatic
        Riveters--electric  Riveters--powered

7239  Striking handtools--powered, n.e.c.

724*  Surfacing handtools--powered
This source group classifies powered hand-held surfacing tools such as buffers, grinders, and sanders. Unattached grinding wheels are classified in 7174 (Sharpening stones and wheels).

Includes: Powered buffers, polishers, waxers; powered hand grinders; powered sanders; sandblasters.

Excludes: Grinding and polishing machinery (354); nonpowered surfacing handtools (717); unattached grinding wheels (7174).

7240 Surfacing handtools--powered, unspecified

7241 Buffers, polishers, waxers--powered
Buffering machines--hand Polishers--powered
Floor buffers Polishing heads

7242 Hand grinders--powered
Grinders--bench Grinders--waterstone
Grinders--electric Grinders--wet Stone
Grinders--pneumatic Grinders--wet/dry
Grinders--snagging

7243 Sanders--powered
Sand belts Sanders--disc
Sanders--belt Sanders--finishing

7244 Sandblasters--powered

7249 Surfacing handtools--powered, n.e.c.
Rasps--rotary

725* Turning handtools--powered

This source group classifies powered hand-held turning tools which are commonly used to revolve or rotate screws, nuts, bolts, and pipes. All types of powered hand-held screwdrivers and wrenches are included here.

Includes: Powered bolt setters; powered impact wrenches; powered screwdrivers.

Excludes: Lathes, turning machines (355).

7250 Turning handtools--powered, unspecified

7251 Bolt setters--powered

7252 Impact wrenches--powered
Wrenches--air
Wrenches--impact

7253 Screwdrivers--powered

7259 Turning handtools--powered, n.e.c.

726* Welding and heating handtools--powered

This source group classifies powered hand-held welding tools which are used to solder, weld, or burn. Included here are soldering guns, welding torches, electric burn-in knives, and woodburning pens.

Includes: Blow torches; soldering irons; welding torches.

Excludes: Welding and soldering fumes (057); irons (3323); laser cutting machinery (3592); spot welding machinery (3594).

7260 Welding and heating handtools--powered, unspecified

* - Asterisks indicate division, major group, or group titles.
7261  Blow torches

7262  Soldering irons--powered
    Burning systems
    Electric burn-in knives
    Soldering coppers
    Soldering tools
    Soldering guns
    Tips--soldering
    Tiplets--soldering
    Soldering Irons
    Woodburning sets
    Woodburning pens

7263  Welding torches--powered
    Welding torches
    Propane torches

7269  Welding and heating handtools--powered, n.e.c.

729*  Other handtools--powered

This source group classifies powered handtools which are not elsewhere classified such as
nail guns, staple guns, power punches, scrubbers, paint sprayers, and flashlights.

Includes:  Powered nail guns; powered scrubbers; handheld paint sprayers;
powered stapling tools; flashlights.

Excludes:  Machinery (3); agricultural and garden machinery (31); power lawn
mowers (3121); hair and hand dryers (3335); vacuum cleaners (3336);
hydraulic, pneumatic jacks (347); metalworking machinery,
woodworking machinery (35); stationary drills (3521); stationary saws
(357); painting machinery (3796); unattached drill bits, saw blades
(443); nonpowered handtools (71).

7290  Other handtools--powered, unspecified

7291  Nail guns--powered
    Nail guns--air
    Nail guns--electric
    Nail guns--gunpowder activated

7293  Scrubbers--powered

7294  Sprayers--paint

7295  Stapling tools--electric or pneumatic
    Staple guns--electric
    Staple guns--pneumatic
    Staple guns--gunpowder activated

7299  Handtools--powered, n.e.c.
    Flashlights
    Plate joiners

73*  Handtools--power not determined

This source group should only be used to classify those handtools which are manufactured in both
powered and nonpowered varieties.  If it cannot be determined whether these handtools are
powered or nonpowered, they should be classified in this major group.  For specific definitions of
the source group categories, refer to the corresponding source groups under nonpowered (71) or
powered (72) handtools.

Includes:  The following types of handtools (power not determined):  boring; cutting;
striking; nailing; surfacing; turning; stapling.

Excludes:  Handtools determined to be nonpowered (71); handtools determined to be
powered (72).

730  Handtools--power not determined, unspecified

731*  Boring handtools--power not determined

* - Asterisks indicate division, major group, or group titles.
For a specific definition of this source group, refer to the corresponding source group under nonpowered (71) or powered (72) handtools.

7310  Boring handtools--power not determined, unspecified
7311  Augers--power not determined
7312  Braces--power not determined
7313  Drills--power not determined
7319  Boring handtools--power not determined, n.e.c.

732*  Cutting handtools--power not determined

For a specific definition of this source group, refer to the corresponding source group under nonpowered (71) or powered (72) handtools.

7320  Cutting handtools--power not determined, unspecified
7321  Chisels--power not determined
7322  Knives--power not determined
7323  Saws--power not determined
7329  Cutting handtools--power not determined, n.e.c.

733*  Striking and nailing handtools--power not determined

For a specific definition of this source group, refer to the corresponding source group under nonpowered (71) or powered (72) handtools.

7330  Striking and nailing handtools--power not determined, unspecified
7331  Hammers--power not determined
7332  Punches--power not determined
7339  Striking and nailing handtools--power not determined, n.e.c.

734*  Surfacing handtools--power not determined

For a specific definition of this source group, refer to the corresponding source group under nonpowered (71) or powered (72) handtools.

7340  Surfacing handtools--power not determined, unspecified
7341  Sanders--power not determined
7349  Surfacing handtools--power not determined, n.e.c.

735*  Turning handtools--power not determined

For a specific definition of this source group, refer to the corresponding source group under nonpowered (71) or powered (72) handtools.

7350  Turning handtools--power not determined, unspecified
7351  Screwdrivers--power not determined
7352  Wrenches--power not determined
7359  Turning handtools--power not determined, n.e.c.

739*  Other handtools--power not determined

For a specific definition of this source group, refer to the corresponding source group under nonpowered (71) or powered (72) handtools.

7391  Staplers--power not determined
7399  Handtools--power not determined, n.e.c.
74* Ladders

This major group classifies fixed and movable ladders of any construction: wooden, steel, aluminum, plastic, etc. Fixed ladders are immovable, permanent fixtures. Movable ladders are portable, foldable, or extendable. All ladders are classified here regardless of the structure or object to which they are attached.

Includes: Fixed ladders; movable ladders.
Excludes: Stairs, steps (625).

740 Ladders, unspecified

741 Ladders--fixed

This source group classifies fixed ladders that are immovable, permanent fixtures. Included here are ladders that are used in silos, sewers, fire escapes, and swimming pools.

Includes: Ladders--chain; Ladders--silo; Ladders--fire escape; Ladders--swimming pool; Ladders--sewer.
Excludes: Stairs, steps (625).

742* Ladders--movable

This source group classifies ladders that are portable, foldable, or extendable such as step stools, step ladders, extension ladders, and fire truck ladders.

Includes: Extension ladders; step ladders; straight ladders; truck-mounted ladders, aerial ladder trams.
Excludes: Fixed ladders (741).

7420 Movable ladders, unspecified

7421 Extension ladders

7422 Step ladders

Includes: Ladders--folding; Ladders--step.
Excludes: Stiles; Stools--step.

7423 Straight ladders

7424 Truck mounted ladders, aerial ladder trams

Includes: Ladders--fire truck.
Excludes: Ladders--utility truck.

7429 Movable ladders, n.e.c.

Includes: Ladder Assemblies--combination work stands.

749 Ladders, n.e.c.

75* Medical and surgical instruments

This major group classifies all medical, surgical, ophthalmic, and veterinary instruments. Included here are hypodermic needles and syringes; surgical knives (scalpels); medical forceps and retractors; and other medical and surgical instruments.

Includes: Needles and syringes; scalpels, surgical knives.
Excludes: Oxygen tanks (123); laser cutting machinery (3592); medical machinery, except x-ray (3721); x-ray machinery (3722); respirators (776); health care and orthopedic equipment, n.e.c.; wheelchairs (797).

750 Medical and surgical instruments, unspecified

* - Asterisks indicate division, major group, or group titles.
751 **Needles and syringes**

This source group classifies all needles and syringes used in the medical field. Included here are suture needles for making stitches in animals and humans, and hypodermic needles or syringes for injecting or removing fluids from animals and humans. Sewing needles are classified in 7962 (Sewing needles).

- Needles--hypodermic
- Syringes--hypodermic
- Needles--suture

752 **Scalpels**

This source group classifies all surgical knives which are used in the medical field. All other nonpowered knives are classified in 7124 (Knives).

- Knives--surgical
- Scalpels

759 **Medical and surgical instruments, n.e.c.**

This source group classifies Medical and surgical instruments that are not elsewhere classified including the items listed below.

- Dental burs
- Retractors
- Forceps
- Speculums
- IV transfusion apparatus
- Trephines

76* **Photographic equipment**

This major group classifies all types of cameras and photographic equipment used in the photography field such as cameras, slide and movie projectors, video cameras, photographic paper, tripods, stands, photographic and x-ray film, and other equipment related to the field of photography.

**Includes:**
- Cameras; photographic paper and cloth; projectors; tripods, stands; darkroom apparatus.

**Excludes:**
- Photographic and copying solutions (0793); optical scanning devices (3614); photocopiers (3625); x-ray machinery and equipment (3722).

760 **Photographic equipment, unspecified**

761 **Cameras--still and motion picture**

This source group classifies photographic cameras of all kinds, both still and motion picture.

**Excludes:**
- Cameras used with x-ray equipment (3722; video players and recorders (3914).

- Cameras--aerial
- Cameras--box
- Cameras--candid
- Cameras--folding
- Cameras--hand
- Cameras--home movie
- Cameras--instant
- Cameras--motion-picture

- Cameras--movie
- Cameras--pinhole
- Cameras--portrait
- Cameras--reflex
- Cameras--still
- Cameras--television
- Cameras--video
- Identity recorders

762 **Photographic paper and cloth**

Included in this source group are photosensitive papers and cloths which are used in developing and printing photographs.

* - Asterisks indicate division, major group, or group titles.
Paper and pulp items, except photographic paper, are classified in major group 94 (Paper, books, magazines).

<table>
<thead>
<tr>
<th>Cloth--blueprint</th>
<th>Paper--blueprint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cloth--brownprint</td>
<td>Paper--brownprint</td>
</tr>
<tr>
<td>Cloth--diazo</td>
<td>Paper--diazo</td>
</tr>
<tr>
<td>Cloth--photographic</td>
<td>Paper--photographic</td>
</tr>
</tbody>
</table>

### 763 Projectors--still and motion picture

This source group classifies photographic equipment used to project and view photographic images such as movie and slide projectors.

Large screen and projection televisions are classified in 3913 (Televisions). Video players are classified in 3914 (Video players).

### 764 Tripods, stands

This source group classifies tripods and stands which are used to brace cameras and projectors.

<table>
<thead>
<tr>
<th>Braces--camera</th>
<th>Stands</th>
</tr>
</thead>
<tbody>
<tr>
<td>Braces--projector</td>
<td>Tripods</td>
</tr>
</tbody>
</table>

### 769 Photographic equipment, n.e.c.

This source group classifies photographic equipment that is not elsewhere classified.

<table>
<thead>
<tr>
<th>Camera parts</th>
<th>Flash bulbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Darkroom apparatus</td>
<td>Movie screens</td>
</tr>
<tr>
<td>Developing apparatus</td>
<td>Photographic and graphic arts plates</td>
</tr>
<tr>
<td>Editing equipment</td>
<td>Photographic film--motion picture, X-Ray, still camera,</td>
</tr>
<tr>
<td>Enlargers</td>
<td>Special purpose</td>
</tr>
<tr>
<td>Exposure meters</td>
<td></td>
</tr>
<tr>
<td>Film reels</td>
<td>Photographic tanks</td>
</tr>
</tbody>
</table>

### 77* Protective equipment, except clothing

This major group classifies protective equipment (except clothing) worn to protect workers from injuries or illnesses in hazardous work environments.

**Includes:** Dust masks; earplugs and hearing protectors; face shields, welding masks; hard hats; lifelines, lanyards, safety belts or harnesses; respirators; safety glasses or goggles.

**Excludes:** Oxygen tanks (123); protective clothing and other apparel (921).

#### 770 Protective equipment, except clothing, unspecified

#### 771 Dust masks

#### 772 Earplugs and hearing protectors

#### 773 Face shields, welding masks

#### 774 Hard hats

#### 775 Lifelines, lanyards, safety belts or harnesses

#### 776 Respirators

This source group classifies all respiratory protection equipment including air supply masks and self-contained breathing apparatus (SCBA).

Oxygen tanks are classified in source group 123 (Oxygen tanks).

#### 777 Safety glasses or goggles

#### 779 Protective equipment, except clothing, n.e.c.

* - Asterisks indicate division, major group, or group titles.
78* Recreation and athletic equipment

This major group classifies indoor and outdoor recreation and athletic equipment.

*Includes:* Camping equipment; gymnasium and exercise equipment; playground equipment; riding goods and equipment; snow skiing goods and equipment; water sports equipment.

*Excludes:* Firearms (793); ammunition (91); athletic clothing and footwear—excluding skis and skates (921).

780 Recreation and athletic equipment, unspecified

781 Camping equipment

This source group classifies equipment that is used for camping outdoors.

*Excludes:* Tarps (472); flashlights (7299); air mattresses (789).

Back packs  Portable lanterns
Canteens  Sleeping bags
Mess kits  Tents and accessories
Portable coolers  Thermoses

782 Gymnasium and exercise equipment

This source group classifies equipment that is used for exercising, weight lifting, and gymnastics such as jump ropes, gym mats, exercise machines, exercise cycles, jogging machines, rowing machines, treadmills, weight-lifting equipment, and all other equipment used for exercising and gymnastics.

Exercise cycles  Jump ropes
Exercise machines  Rowing machines
Gym mats  Treadmills
Jogging machines  Weight-lifting equipment

783 Playground equipment

This source group classifies equipment that is commonly used in playgrounds. Included are swings and swing sets, sliding boards, sandboxes, and outdoor play sets.

Jungle bars  Sliding boards
Play sets—outdoor  Swing sets
Sandboxes  Swings

784 Riding goods and equipment

This source group classifies horse riding goods and equipment. Included here is saddlery and other related equipment.

Crops  Saddlery
Reins  Saddles

785 Snow skiing goods and equipment

This source group classifies equipment which is related to snow skiing.

*Includes:* Skis; ski poles; bobsleds; sleds; toboggans; luges.

*Excludes:* Safety glasses, goggles (777); ice skates (789); snowmobiles (843); skiing apparel (92).

786 Water sports equipment

* - Asterisks indicate division, major group, or group titles.
This source group classifies all water sports equipment—except suits and apparel—which is used for diving (excluding oxygen tanks in source group 123), surfing, swimming, and other related water sports. Included here are surfboards, skin diving equipment, scuba diving equipment, kick boards, windsurfing boards and equipment, and sailboards.

Excludes: Oxygen tanks (123); ear plugs (772); water vehicles (88); jet skis (88); bathing suits, wet suits, beach apparel (921).

789 **Recreation and athletic equipment, n.e.c.**

This source group classifies recreation and athletic equipment not elsewhere classified including the items listed below.

Excludes: Respirators and personal protective devices (77); mopeds (823); bicycles (8312); powered golf carts (842); gocarts (849).

79* **Other tools, instruments, and equipment**

This major group classifies other tools, instruments, and containers not previously classified.

Includes: Clocks; cooking and eating utensils, except knives; firearms; health care and orthopedic equipment, n.e.c.; musical instruments; sewing notions, n.e.c.; wheelchairs; writing, drawing, and art supplies.

Excludes: Containers (1); furniture and fixtures (2); tool chests (212); machinery (3); mechanical jacks (3472); parts and materials (4); hoisting accessories (43); machine, tool, and electric parts (44); tool parts, accessories (443); tarps (472).

791 **Clocks**

This source group classifies digital and analog alarm clocks, wall clocks and mantle clocks, as well as grandfather clocks. Included here are office clocks, cuckoo clocks, ships clocks, travel alarm clocks, and standing clocks.

Excludes: Clock radios (3911); wrist and pocket watches (9223).

* - Asterisks indicate division, major group, or group titles.
### 792 Cooking and eating utensils, except knives

- Bottle openers
- Spatulas
- Forks
- Spoons
- Rolling pins

### 793* Firearms

This source group classifies all types of handheld firearms and their parts.

**Includes:** Pistols, handguns, revolvers; rifles; shotguns.

**Excludes:** Archery equipment (789); bullets, pellets, bombs, torpedoes, grenades, missiles, rockets, artillery shells (91).

| 7930 | Firearm, unspecified |
| 7931 | Pistol, handgun, revolver |
| 7932 | Rifle |
| 7933 | Shotgun |
| 7939 | Firearm, n.e.c. |

### 794 Health care and orthopedic equipment, n.e.c.

- Canes
- Physical therapy equipment
- Corsets
- Stretchers
- Crutches
- Supporters
- Laboratory equipment, n.e.c.
- Trusses
- Orthopedic braces

### 795* Musical instruments

This source group classifies all musical instruments and their associated parts and accessories, including music stands.

Piano benches are classified in source group 232 (Benches, workbenches, saw horses). Musical instrument cases are classified in source group 159 (Luggage, n.e.c.).

| 7950 | Musical instrument, unspecified |
| 7951 | Pianos |

### 7959 Other musical instruments

- Accordion
- Banjos
- Bassoons
- Bells
- Bugles
- Cellos
- Chimes
- Clarinets
- Cornets
- Cymbals
- Drums
- Flutes
- French horns
- Guitars
- Harmonicas
- Harps
- Harpsichords
- Mandolins
- Marimbas
- Musical instrument accessories (e.g. reeds, mouthpieces, stands, traps)
- Musical instruments--electronic, except pianos
- Musical instruments--non-electronic, except pianos
- Oboes
- Ocarinas
- Octophones
- Organs
- Piccolos
- Saxophones
- Synthesizers
- Trombones
- Trumpets
- Ukuleles
- Vibraphones
- Violas
- Violins
- Wind chimes
- Xylophones
- Zithers

### 796* Sewing notions, n.e.c.

* - Asterisks indicate division, major group, or group titles.
This source group classifies sewing notions which are commonly used to produce hand-sewn articles.

Includes: Fabric pins, safety pins; sewing needles; thimbles.

Excludes: Hypodermic needles (751).

7960 Sewing notions, unspecified
7961 Fabric pins, safety pins
7962 Sewing needles
7969 Sewing notions, n.e.c.

797 Wheelchairs

This source group classifies nonmotorized and motorized wheelchairs.

798* Writing, drawing, and art supplies

This source group classifies writing instruments and artist supplies such as pens, pencils, and artists' supplies.

Includes: Art supplies and materials, except paint; chalk, crayons, marking devices; pens and pencils.

Excludes: Paint (0762); ink and dye (0791); drawing tables (236); modelling clay (553); paint brushes (7199).

7980 Writing, drawing, and art supplies, unspecified
7981 Art supplies and materials, except paint
    Canvasses
    Easels
    Eraser guides, shields
    Erasers--pencil, blackboard
    Frames--canvas

7982 Chalk, crayons, marking devices
    Chalk--artists'
    Chalk--blackboard
    Chalk--marking
    Chalk lines
    Crayons--chalk
    Crayons--charcoal
    Crayons--wax
    Markers--felt
    Markers--soft tip
    Pastels

7983 Pens and pencils
    Cartridges--refills
    Nibs
    Pens--ball-point
    Pens--fountain
    Pencils--colored
    Pencils--lead
    Pencils--mechanical
    Quills

7989 Writing, drawing, and art supplies, n.e.c.
    Dies--hand seal
    Pads--ink
    Screens--textile printing
    Seals--hand
    Stamps--hand
    Stamps--rubber
    Stencils

* - Asterisks indicate division, major group, or group titles.
# Tools, instruments, and equipment, n.e.c.

This source group classifies other tools, instruments, and equipment not elsewhere classified.

**Excludes:** Containers (1); furniture and fixtures (2); tool chests (212); machinery (3); mechanical jacks (3472); parts and materials (4); hoisting accessories (43); machine, tool, and electric parts (44); tool parts, accessories (443); tarps (472).

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8* VEHICLES

This division classifies vehicles that generally move on wheels, runners, water, or air. A vehicle serves the primary purpose of transporting people (e.g., automobiles, passenger trains), but it may serve as a means of carrying or transferring goods (e.g., forklifts, wheelbarrows). In addition, a vehicle may serve primarily as a recreational device (e.g., canoes, bicycles, jet skis, etc.). Vehicles for all modes of public, private, work-related, and recreational transportation are included in this division.

Machinery, which are primarily used for agricultural, construction, logging, mining, manufacturing, and other processing purposes, are classified in division 3 (Machinery).

A vehicle code should be selected whenever the event is a transportation accident.

If a vehicle part that produces an injury is attached to a vehicle, then the entire vehicle should be listed as the source.

If a vehicle part is known to be unattached and independent of a vehicle—or if it is probable that a vehicle is not involved in the injury—then that specific part should be listed as the source. Unattached vehicle and mobile equipment parts are classified in major group 48 (Vehicle and mobile equipment parts). Unattached trailers are classified in source group 483 (Trailers). Unattached vehicle windshield and windows are classified in source group 484 (Windshields, vehicle windows).

If the source of an injury is identified as the floor surface in a vehicle, it should be classified in 6225 (Floor of vehicle).

Includes: Air vehicles; motorized highway vehicles; nonmotorized highway vehicles; nonindustrial offroad vehicles; powered plant and industrial vehicles, tractors; nonpowered plant and industrial vehicles; rail vehicles; water vehicles.

Excludes: Machinery (3); agricultural and garden machinery (31); construction, logging, and mining machinery (32); material handling machinery (34); street sweeping and cleaning machinery (3996); unattached vehicle and mobile equipment parts (48); floor surface of a vehicle (6225).

80 Vehicle, unspecified

81* Air vehicle

This major group classifies fixed- and rotary-winged aircraft. The aircraft may be designed for public, private, and military use.

An Air vehicle code should be selected whenever the event is an aircraft accident.

Includes: Powered fixed wing aircraft; powered rotary wing aircraft; nonpowered aircraft; spacecraft.

810 Aircraft, unspecified

811* Aircraft--powered fixed wing

This source group classifies aircraft which is supported by a fixed wing structure. Included here are vertical take-off and landing type aircraft (VTOL), and short take-off and landing type aircraft (STOL). The aircraft can be jet engine or propeller powered.

Includes: Jet; propeller-driven aircraft.

Excludes: Helicopters (8121); nonpowered gliders (8131).

8110 Aircraft--powered fixed wing, unspecified

8111 Jet

8112 Propeller-driven aircraft

8119 Aircraft--powered fixed wing, n.e.c.

812* Aircraft--powered rotary wing

* - Asterisks indicate division, major group, or group titles.
This source group classifies aircraft which is supported by a rotary wing. The aircraft can be rotary wing only, or a combination of rotary wing and jet propulsion.

*Includes:* Helicopter; hovercraft.

*Excludes:* Jets (8111); propeller-driven aircraft (8112).

8120 Aircraft--rotary wing, unspecified
8121 Helicopter
8122 Hovercraft
8129 Aircraft--rotary wing, n.e.c.

813* Aircraft--nonpowered

This source group classifies aircraft which glides or floats without some type of power source (e.g., jet propulsion, propeller, hot air).

*Includes:* Nonpowered gliders; parachutes.

*Excludes:* Powered aircraft (811, 812, and 819).

8130 Aircraft--nonpowered, unspecified
8131 Glider, nonpowered
8132 Parachute
8139 Aircraft--nonpowered, n.e.c.

819 Aircraft, n.e.c.

This source group classifies aircraft which are not previously classified.

*Includes:* Hot-air balloons; dirigibles; spacecraft.

82* Highway vehicle, motorized

This major group classifies vehicles which are operated primarily on highways and used for transportation, hauling, delivering, and emergencies.

A motorized highway vehicle code should be selected whenever the event is a transportation accident involving a highway vehicle(s).

*Includes:* Automobiles; buses; motorcycles, mopeds; motor homes, recreational vehicles; trucks; vans.

*Excludes:* Nonmotorized highway vehicles such as bicycles, horse drawn carriages (83); powered industrial carriers (852); tractors (853).

820 Highway vehicle, unspecified
821 Automobile
822 Bus
823 Motorcycle, moped
824 Motor home, recreational vehicle
825* Truck

This source group classifies trucks which are commonly used for transporting, hauling, and delivering goods and materials.

*Includes:* Delivery trucks; dump trucks; pickup trucks; semitrailers, tractor trailers, and trailer trucks.
SOURCE      VEHICLES

Excludes: Powered industrial carriers (852); tractors (853); handtrucks (861)

8250 Truck, unspecified
8251 Delivery truck
8252 Dump truck
8253 Pickup truck
8254 Semitrailer, tractor trailer, trailer truck
8259 Truck, n.e.c.

Fire trucks

826 Van--passenger or light delivery

829 Highway vehicle, motorized, n.e.c.

Ambulances

83* Highway vehicle, nonmotorized

This source group classifies animal or human powered highway vehicles, as well as other nonmotorized highway vehicles.

Includes: Horse drawn carriages; bicycles.

Excludes: Motorized highway vehicles (82); nonpowered plant and industrial vehicles (86).

830 Highway vehicle, nonmotorized, unspecified

831* Animal or human powered vehicle

8311 Horse drawn carriage
8312 Bicycle
8319 Animal or human powered vehicle, n.e.c.

839 Highway vehicle, nonmotorized, n.e.c.

84* Offroad vehicle, nonindustrial

This source group classifies nonindustrial offroad vehicles that are commonly used for recreational or special terrain-traversing purposes.

Includes: All terrain vehicles (ATV's); powered golf carts; snowmobiles;

Excludes: Motorcycles, dirt bikes (823); jeeps, four-wheel drive trucks (8259); mountain bicycles (8312).

840 Offroad vehicle, nonindustrial, unspecified
841 All terrain vehicle (ATV)
842 Golf cart, powered
843 Snowmobile
849 Offroad vehicle, nonindustrial, n.e.c.

85* Plant and industrial powered vehicles, tractors

This major group classifies forklifts, powered industrial carriers (except forklifts), and tractors which are used for carrying and transporting heavy materials. Tractors which are connected to agricultural or construction machinery implements are classified in division 3 (Machinery).

Includes: Forklifts; powered industrial carriers; tractors.

Excludes: Tractors connected to agricultural or construction machinery implements (3); robots (392); truck and vehicle scales (7159).

850 Plant and industrial powered vehicles, unspecified

* - Asterisks indicate division, major group, or group titles.
### 851* Forklift

This source group classifies self-propelled industrial vehicles used for hoisting and transporting heavy objects by inserting steel girders or a solid platform.

*Excludes:* Material handling machinery; conveyors; cranes; overhead hoists; powered jacks (34).

- 8510 Forklift, unspecified
- 8511 Counterbalance rider--high lift
- 8512 Hand/rider forklift truck--motorized
- 8513 Order picker high lift truck
- 8514 Pallet lift truck--motorized
- 8515 Platform lift truck--high or low lift
- 8516 Reach rider lift truck
- 8517 Single side loader rider truck
- 8518 Straddle rider lift truck
- 8519 Forklift, n.e.c.

### 852* Powered industrial carrier, except forklifts

This source group classifies mechanically operated (powered) vehicles used for carrying payloads.

*Excludes:* Trucks (825); semitrailers (8254); forklifts (851).

- 8520 Powered industrial carrier, unspecified
- 8521 Container carrier
- 8522 Lumber carrier
- 8523 Stacker carrier
- 8524 Straddle carrier
- 8529 Powered industrial carrier, n.e.c.

### 853 Tractor

This source group classifies tractors which are commonly used for towing agricultural and hauling implements. Specialized agricultural or construction machinery which consist of a tractor and the specialized attachment are classified in division 3 (Machinery). This source group is used to classify tractors only.

### 859 Plant and industrial powered vehicle, n.e.c.

### 86* Plant and industrial vehicle--nonpowered

This source group classifies nonpowered plant and industrial vehicles (and other wheeled equipment) used for transporting and hauling payloads.

*Includes:* Carts, dollies, handtrucks; wheelbarrows.

- 860 Plant and industrial vehicle--nonpowered, unspecified
- 861 Cart, dolly, handtruck
- 862 Wheelbarrow
- 869 Plant and industrial vehicle--nonpowered, n.e.c.

### 87* Rail vehicle

This major group classifies mass transit and freight vehicles operating above and below ground.

- 870 Rail vehicle, unspecified
- 871 Amusement park rail vehicle
  - Monorail rides
  - Roller coasters
- 872 Streetcar, trolley
- 873 Subway

* - Asterisks indicate division, major group, or group titles.
874 Train
879 Rail vehicle, n.e.c.

88* Water vehicle

This major group classifies water vehicles used for transporting materials or for recreational purposes.

*Excludes:* Hovercraft (8122).

880 Water vehicle, unspecified
881 Barge
882 Canoe, kayak, rowboat, raft
883 Jet skis
884 Motorboat, yachts
885 Sailboat, sailing ship
886 Ships—other than sail powered
887 Tugboat, commercial fishing boat
889 Water vehicle, n.e.c.

89 Vehicles, n.e.c.

This major group classifies vehicles which are not previously classified.
This division classifies sources of injuries and illness that are not classified in the previous divisions. Classified here are ammunition and explosive devices; apparel and textiles; atmospheric and environmental conditions; paper, books, magazines; scrap, waste, debris; steam, vapors, liquids, n.e.c.; and other sources n.e.c.

*Includes:* Ammunition; apparel and textiles; atmospheric and environmental conditions; paper, books, magazines; scrap, waste, debris; steam, vapors, liquids, n.e.c.

*Excludes:* (See individual major groups).

### 91* Ammunition

This major group classifies those projectiles which are fired by a weapon or exploded as a weapon, such as mines and grenades.

Select bullets as the source of injuries due to gunshot wounds.

*Includes:* Bullets; explosive devices; pellets.

*Excludes:* Dynamite; gunpowder, fireworks (075); firearms (793).

### 910 Ammunition, unspecified

### 911 Bullets

### 912 Explosive devices

- Bombs
- Depth charges
- Grenades
- Mines
- Missiles
- Torpedoes

### 913 Pellets

**Shot**

### 919 Ammunition, n.e.c.

### 92* Apparel and textiles

This major group classifies all products and apparel that clothe the human body made from any fabric. Also included here are jewelry, watches, eyeglasses; textile products; and laundry.

*Includes:* Clothing and shoes; eye glasses, jewelry, and watches; textile products; laundry.

*Excludes:* Fur, wool, and leather (5113); hard hats (774); safety glasses or goggles (777); skis (785); ice, roller skates (789).

### 920 Apparel and textiles, unspecified

### 921* Clothing and shoes

This source group classifies all products and apparel that clothe the human body made from any fabric.

*Includes:* Belts, gloves, neckties, scarves; blouses shirts, dresses, trousers, skirts; hats, caps; shoes, boots, slippers, sandals.

*Excludes:* Fur, wool, and leather (5113); hard hats (774); skis (785); ice, roller skates (789).
| 9210 | Clothing, unspecified                        |
| 9211 | Belts, gloves, neckties, scarves            |
| 9212 | Blouses, shirts, dresses, trousers, skirts  |
| 9213 | Hats, caps                                  |
| 9214 | Shoes, boots, slippers, sandals             |
| 9215 | Suits, coats, jackets                       |
| 9219 | Clothing, n.e.c.                            |
|      | Bathing suits                               |
|      | Nightgowns                                 |
|      | Briefs                                     |
|      | Nightshirts                                |
|      | Diving suits                               |
|      | Pajamas                                    |
|      | Lingerie                                   |
|      | Swimsuits                                  |

922* Eye glasses, jewelry, and watches

| 9221 | Eye glasses, sunglasses                     |
| 9222 | Jewelry                                     |
| 9223 | Watches                                    |

923* Textile products

This source group classifies all fabrics, synthetic and natural, whether woven, knitted, felted, bonded, or crocheted.

*Includes:* Fabric; yarn, thread.

*Excludes:* Floor, wall, window coverings (22); beds, bedding, mattresses (231); textile, apparel, leather production machinery (376); clothing and shoes (921).

| 9230 | Textile products, unspecified              |
| 9231 | Fabric                                     |
| 9232 | Yarn, thread                               |
| 9239 | Textile products, n.e.c.                   |

924 Laundry

929 Apparel and textiles, n.e.c.

This source group classifies apparel and textiles not elsewhere classified.

93* Atmospheric and environmental conditions

This major group classifies conditions of the environment such as air pressure, temperature, and other atmospheric conditions, as well as events such as natural disasters.

Select weather and atmospheric conditions, or geological events (floods, earthquakes, avalanches), as the source of injury when that is the only possible source identified.

*Includes:* Air pressure; avalanche, mud slide; earthquake; fire, flame, smoke; flood; environmental temperature extremes; weather and atmospheric conditions; noise, sun.

| 930  | Atmospheric and environmental conditions, unspecified |
| 931* | Air pressure                                         |

This source group classifies abnormal, environmental air pressure conditions. High pressure should be used in instances of caisson work, deep diving, etc. Low pressure refers to rarefied air at extreme elevations.

| 9310 | Air pressure, unspecified                        |
| 9311 | High pressure                                   |
| 9312 | Low pressure                                    |

* - Asterisks indicate division, major group, or group titles.
932  Avalanche, mud slide

933  Earthquake

934*  Fire, flame, smoke

This source group classifies fire, flame, smoke, and fire gases. When an injury or illness is inflicted by hot objects or substances, code to the specific object or substance.

Includes:  Fire, flame; smoke, fire gases.

Excludes:  Welding fumes (057).

9340  Fire, flame, smoke, unspecified
9341  Fire, flame
9342  Smoke, fire gases

935  Flood

Select this source group is as the source of injury when a flood is the only possible source identified.

Includes:  Floods.

Excludes:  Rain (9375); water (9621).

936*  Temperature extremes--environmental

This source group classifies atmospheric, environmental temperature extremes. Codes in this category are used primarily in instances of heat stroke, heat exhaustion, hypothermia, etc.

Excludes:  Fire, flame, smoke (934); ice, sleet, snow (9373).

9360  Temperature extremes--environmental, unspecified
9361  Cold--environmental
9362  Heat--environmental

937*  Weather and atmospheric conditions

This source group classifies weather and atmospheric conditions. If rain or high winds are a result of a hurricane or tornado, code the hurricane or tornado as the source.

When the injury results from a weather condition, but is inflicted by another specific source, code the specific source. For example, if high winds result in blowing sawdust which irritates the employees eyes, the sawdust should be coded as the source.

Excludes:  Air pressure (931); avalanche (932); earthquake (933); flood (935); hot and cold environmental temperature extremes (936); sun (9392).

9370  Weather and atmospheric conditions, unspecified
9371  Fog
9372  High winds, gusts
9373  Ice, sleet, snow
9374  Lightning
9375  Rain
9376  Smog
9377  Tornado, hurricane, typhoon
9379  Weather and atmospheric conditions, n.e.c.
939* Other environmental conditions
   9391 Noise
   9392 Sun
   9399 Environmental conditions, n.e.c.

94* Paper, books, magazines
This major group classifies paper and paper products such as books and magazines.

Excludes: Containers (1); photographic paper (762).

940 Paper, books, magazines, unspecified
941 Books, notebooks, magazines, catalogues
942 Paper, sheets
949 Paper, books, magazines, n.e.c.

95* Scrap, waste, debris
This major source group classifies discarded fragments of unknown origin such as ashes, garbage, sewage, etc.; as well as other dirt, glass, metal, wood, or unidentified particles.

Includes: Chips, particles, splinters; sewage; trash, garbage.

Excludes: Chemical metallic particulates, trace elements, dusts, powders, fumes (05); molten or hot metals, slag (452); metallic minerals (54); nonmetallic minerals, except fuel (55).

950 Scrap, waste, debris, unspecified
951* Chips, particles, splinters
   9510 Chips, particles, splinters, unspecified
   9511 Dirt particles
   9512 Glass chips or fibers
   9513 Metal chips, particles
   9514 Wood chips, sawdust
   9519 Chips, particles, splinters, n.e.c.

952 Sewage
953 Trash, garbage
959 Scrap, waste, debris, n.e.c.

96* Steam, vapors, liquids, n.e.c.
This major group classifies water, steam, water vapor, and other liquids and vapors not elsewhere classified.

Includes: Nonchemical steam, vapors; liquids, water.

Excludes: Rain (9375).

961 Steam, vapors--nonchemical
This source group classifies water that is converted into vapor or gas by being heated to the boiling point, and water vapor kept under pressure so as to supply energy for heating, cooking, or mechanical work.

962* Liquids

* - Asterisks indicate division, major group, or group titles.
This source group classifies water with temperature above the freezing point and below the boiling point, and liquids not elsewhere classified.

9620  Liquids, unspecified
9621  Water
9629  Liquids, n.e.c.

98  Other sources, n.e.c.

This code is used for sources not classified elsewhere in the source code structure.

9999  Nonclassifiable

Use this code when the source that inflicted the injury is not known.

* - Asterisks indicate division, major group, or group titles.
SECTION 2.4

Event

or

Exposure

SECTION CONTENTS

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2.4.1 Event or Exposure--Definition, Rules of Selection

The event or exposure describes the manner in which the injury or illness was produced or inflicted by the source of injury or illness.

4.0 DEFINITION

The event or exposure describes the manner in which the injury or illness was produced or inflicted by the source of injury or illness.

RULES OF SELECTION:

4.1 When the injury or illness occurred as a result of contact with or exposure to an object or substance, select the event or exposure which best describes the manner in which that contact or exposure occurred.

4.1.1 The following events take precedence over other events or exposures:

- Assaults and Violent Acts
- Transportation Accidents
- Fires
- Explosions

When two or more of these events occurred, select the first event listed above.

4.2 When the injury or illness occurred as a result of bodily motion or position, select bodily reaction, repetitive motion or sustained viewing as the event or exposure code.
### 2.4.2 Event or Exposure--Titles and Descriptions

The Event or Exposure code structure is arranged so that events involving forcible contact are classified in Divisions 0 and 1. Bodily reactions and exposures are classified in Divisions 2 and 3. Transportation accidents, fires and explosions, and assaults and violent acts follow in Divisions 4 through 6 respectively.

Event or Exposure code description pages are numbered from DE-1 through DE-19 (the "D" meaning "description, the "E" meaning "event or exposure").

The divisions are identified by title at the top right corner of each page.

The Event or Exposure divisions are arranged as follows:

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</table>
0* CONTACT WITH OBJECTS AND EQUIPMENT

Codes in this division apply to injuries produced by contact between the injured person and the source of injury except when contact was due to falls, transportation accidents, fires, explosions, assaults, or violent acts. Contact may be denoted by a statement that the injured person struck or was struck by an object, was caught in an object, rubbed against an object, or by words such as "hit by," or "hit," "bumped into," "crushed by," or "banged".

00 Contact with objects and equipment, unspecified

01* Struck against object

The "struck against" codes apply to injuries produced by forcible contact or impact between the injured person and the source of injury when the motion producing the contact is primarily that of the injured person.

This major group includes bumping into objects, stepping on objects, kicking objects, and being pushed or thrown into or against objects. If a person strikes against an object due to falling, the injury is classified in Division 1, Falls.

010 Struck against object, unspecified
011 Stepped on object
012 Struck against stationary object
013 Struck against moving object
019 Struck against object, n.e.c.

02* Struck by object

The "struck by" codes apply to injuries produced by forcible contact or impact between the injured person and the source of injury when the motion producing the contact is primarily that of the source of injury rather than the person.

Injuries to vehicle occupants, pedestrians, or other nonpassengers resulting from being hit or run over by a vehicle or mobile equipment should be classified as Transportation Accidents in Division 4. Injuries resulting from stabbings, shooting, or other violence are coded in Division 6.

020 Struck by object, unspecified
021 Struck by falling object

Struck by falling object (group 021) should be selected when the source of injury is falling from an elevation to a lower level. This includes instances where the injured person is crushed, pinned, or caught under a falling object, other than collapsing material or structures.

022* Struck by flying object

Struck by flying object codes (group 022) should be selected when the source of injury has been thrown, hurled, or is being propelled across space. Struck by dislodged flying object (0221) includes instances when a piece of material separates from a tool, machine or other equipment, for example, a piece of grinding wheel flies off or a drill bit breaks off, striking a worker. Struck by discharged objects (0222) refers to instances where the object is ejected under power by a tool or equipment usually designed for that purpose. Examples include a nail discharged from a nail gun, water discharged from a pressure cleaner, a staple from a staple gun.

023* Struck by swinging or slipping object

Struck by swinging or slipping object (group 023) generally refers to objects which are not free standing; that is, they are attached at some point or are being held by the worker.

* - Asterisks indicate division, major group, or group titles.
**Struck by slipping handheld objects** includes cases where the worker is holding a knife, razor, tool, or other instrument that slips and injures the worker.

0230  Struck by swinging or slipping object, unspecified
0231  Struck by or slammed in swinging door or gate
0232  Struck by slipping handheld object
0239  Struck by swinging or slipping object, n.e.c.

**024 Struck by rolling, sliding objects on floor or ground level**

**Struck by rolling, sliding objects on floor or ground level** (group 024) generally refers to an object which is rolling, moving, or sliding on the same level at which the employee is located (i.e., the object is not falling from above, nor is it flying through space). Cases involving contact with moving vehicles which are not in normal operation (as defined in Division 4) would be coded here.

**029 Struck by object, n.e.c.**

03*  Caught in or compressed by equipment or objects

This major group includes cases in which the injury was produced when a person or part of a person was injured by being squeezed, crushed, pinched or compressed between two or more objects, or between parts of an object. Codes in this event group apply when a person, or part of a person's body was squeezed, pinched, compressed, or crushed in operating equipment, between other meshing objects, between a moving and stationary object, or between two or more moving objects.

Injuries occurring when the injured part of body is inside a machine or equipment, or between two or more parts of the source of injury should be included here. Strangulation injuries occurring when clothing is caught in running equipment should be coded 031.

Injuries occurring when a part of the injured person's body is crushed, pinched, or caught under a rolling or sliding object such as a cart or a vehicle not in operation should be coded 032.

Codes in this major group do not apply when the source of injury is free flying or falling, or collapsing material. When the source of injury is falling or freely flying, or collapsing, the event should be coded in major group 02, Struck by or major group 04, Caught in or crushed in collapsing materials.

030  Caught in or compressed by equipment or objects, unspecified
031  Caught in running equipment or machinery
032  Compressed or pinched by rolling, sliding, or shifting objects
039  Caught in or compressed by equipment or objects, n.e.c.

**04* Caught in or crushed in collapsing materials**

Caught in or crushed in collapsing materials applies when a person, or part of a person's body was squeezed, pinched, compressed or crushed in landslides, cave-ins, or collapsing structures, or other collapsing materials unless the collapse was due to a transportation accident, fire, or explosion.

Event group 043, Landslide includes avalanches.

040  Caught in or crushed in collapsing materials, unspecified
041  Excavation or trenching cave-in
042  Other cave-in
043  Landslide
044  Caught in or crushed in collapsing structure
049  Caught in or crushed in collapsing materials, n.e.c.

**05 Rubbed or abraded by friction or pressure**

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* - Asterisks indicate division, major group, or group titles.
Codes in this major group apply to cases in which the injury or illness was produced by friction or pressure between the person and the source of injury or illness. Typically, the nature of the injuries or illnesses resulting from these events will involve superficial injuries such as blisters, scratches or abrasions, or they will involve damage to the nerves or circulatory system from jarring, vibration or repetition of pressure.

Select event group 053 for non-specific irritation of the eyes resulting from foreign matter.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>050</td>
<td>Rubbed or abraded by friction or pressure, unspecified</td>
</tr>
<tr>
<td>051</td>
<td>Rubbed or abraded by kneeling on surface</td>
</tr>
<tr>
<td>052</td>
<td>Rubbed or abraded by objects being handled</td>
</tr>
<tr>
<td>053</td>
<td>Rubbed or abraded by foreign matter in eye</td>
</tr>
<tr>
<td>059</td>
<td>Rubbed or abraded by friction or pressure, n.e.c.</td>
</tr>
</tbody>
</table>

06* Rubbed, abraded, or jarred by vibration

Codes in this major group apply to non-impact cases in which the injury or illness was produced by vibration between the person and the source of injury or illness. Instances of damage to nerves or circulatory system due to vibration, rather than voluntary motion (e.g., Raynaud's phenomenon) should be coded here.

If an injury or illness results from prolonged vibration in long distance driving, the event should be coded in event group 061.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>060</td>
<td>Rubbed, abraded, or jarred by vibration, unspecified</td>
</tr>
<tr>
<td>061</td>
<td>Rubbed, abraded, or jarred by vehicle or mobile equipment vibration</td>
</tr>
<tr>
<td>062</td>
<td>Rubbed, abraded, or jarred by other machine or equipment vibration</td>
</tr>
<tr>
<td>069</td>
<td>Rubbed, abraded, or jarred by vibration, n.e.c.</td>
</tr>
</tbody>
</table>

09 Contact with objects and equipment, n.e.c.
Falls are events in which the injury was produced by impact between the injured person and the source of injury when the motion producing contact was generated by gravity.

**Fall to lower level**

*Fall to lower level* applies to instances in which the injury was produced by impact between the injured person and the source of injury, the motion producing the contact being that of the person, under the following circumstances:

- the motion of the person and the force of impact were generated by gravity, and
- the point of contact with the source of injury was lower than the surface supporting the person at the inception of the fall.

Injuries sustained as a result of the employee jumping from an elevation should be coded in major group 12: *Jump to lower level*.

**Falls down stairs or steps** exclude instances where the worker fell from the side edge of a stair to a lower surface. These case should be coded *Fall to lower level, n.e.c.* (119).

Falls through an opening in the floor that already existed (such as an attic trap door opening) are coded as *Fall through existing floor opening* (1121). If a floor surface collapses causing the worker to fall through, the fall is coded as *Fall through floor surface* (1122). The same distinction applies to *Falls through existing roof surfaces* (1151) and *Falls through roof surfaces* (1152).

**Fall from ground level to lower level** (1124) includes falls into stormdrains, sewers, excavation pits.

Finally, *Fall from nonmoving vehicle* (code 118) should be used only when the injured employee fell from a vehicle that was not involved in a transportation accident as defined in Division 4.
### 12* Jump to lower level

This major event group should be used for impact injuries sustained as a result of the employee jumping from an elevation. Jumps are differentiated from falls by the fact that they are controlled and voluntary even if the worker jumped to avoid an uncontrolled fall.

- **120** Jump to lower level, unspecified
- **121** Jump from scaffold, platform, loading dock
- **122** Jump from structure, structural element, n.e.c.
- **123** Jump from nonmoving vehicle
- **129** Jump to lower level, n.e.c.

### 13* Fall on same level

**Fall on same level** applies to instances in which the injury was produced by impact between the injured person and the source of injury, the motion producing the contact being that of the person, under the following circumstances:

- **the motion of the person was generated by gravity following the employee's loss of equilibrium (the person was unable to maintain an upright position)** and,

- **the point of contact with the source of injury was at the same level or above the surface supporting the person** at the inception of the fall.

- **130** Fall on same level, unspecified
- **131** Fall to floor, walkway, or other surface
- **132** Fall onto or against objects
- **139** Fall on same level, n.e.c.

### 19 Fall, n.e.c.

* - Asterisks indicate division, major group, or group titles.
**EVENT**

**BODILY REACTION AND EXERTION**

Codes in this division apply to cases, usually non-impact, in which injury or illness resulted from *free bodily motion*, *from excessive physical effort*, or *from repetition of a bodily motion*.

20  **Bodily reaction and exertion, unspecified**

21*  **Bodily reaction**

Codes in this major group apply to injuries or illnesses resulting from a *single incident of free bodily motion* which imposed stress or strain upon some part of the body.

Generally, codes in this major group apply to the occurrence of strains, sprains, ruptures, nerve damage or other internal injuries or illnesses resulting from the assumption of an unnatural position or from voluntary or involuntary motions induced by sudden noise, fright, or efforts to recover from slips or loss of balance (not resulting in falls).

This major group includes cases involving musculo-skeletal or internal injury or illness resulting from the execution of personal movements such as walking, climbing, bending, etc. when such movement in itself was the source of injury or illness.

Falls are classified in Division 1. Overexertion resulting from lifting, pulling, or pushing is classified in major group 22. Motions which induce injury or illness due to their repetitive nature are classified in major group 23.

210  **Bodily reaction, unspecified**

211  **Bending, climbing, crawling, reaching, twisting**

212  **Sudden reaction when surprised, frightened, startled**

213  **Running—without other incident**

214  **Sitting**

215  **Slip, trip, loss of balance—without fall**

216  **Standing**

217  **Walking—without other incident**

219  **Bodily reaction, n.e.c.**

22*  **Overexertion**

Overexertion applies to cases, usually non-impact, in which the injury or illness resulted from *excessive physical effort directed at an outside source of injury or illness*. The physical effort may involve lifting, pulling, pushing, turning, wielding, holding, carrying, or throwing the source of injury/illness.

Free bodily motions that do not involve an outside source of injury or illness are classified either in major group 21, Bodily reaction, or in major group 23, Repetitive motion.

220  **Overexertion, unspecified**

221  **Overexertion in lifting**

222  **Overexertion in pulling or pushing objects**

223  **Overexertion in holding, carrying, turning, or wielding objects**

224  **Overexertion in throwing objects**

229  **Overexertion, n.e.c.**

23*  **Repetitive motion**

Repetitive motion applies when an injury or illness resulted from bodily motion which imposed stress or strain upon some part of the body due to a task's *repetitive nature*.

Instances of carpal tunnel syndrome (CTS) from typing or any type of keyentry, including the use of calculators or nonscanning cash registers are coded 231. CTS resulting from cutting with a knife, repeated use of a power tool should be coded *Repetitive use of tool* (232).

If an injury or illness resulted from prolonged vibration in long distance driving, the event should be coded in event group 061, Rubbed, abraded, or jarred by vehicle or mobile equipment vibration.

* - Asterisks indicate division, major group, or group titles.
230 Repetitive motion, unspecified
231 Typing or keyentry
232 Repetitive use of tools
233 Repetitive placing, grasping, or moving objects, except tools
239 Repetitive motion, n.e.c.

24 Sustained viewing

Eyestrain resulting from sustained focus on terminal screens should be classified in this major group.

25 Bodily conditions, n.e.c.

Heart attacks and strokes which are not attributed to a specific event or exposure are classified here.

29 Bodily reaction and exertion, n.e.c.
3* EXPOSURE TO HARMFUL SUBSTANCES OR ENVIRONMENTS

Codes in this division apply to cases in which the injury or illness resulted from contact with, or exposure to, a condition or substance in the environment.

30 Exposure to harmful substances or environments, unspecified

31* Contact with electric current

Contact with electric current applies only to cases in which the injury or illness resulted from contact with electricity, including lightning. Cases of electric shock and electrocution are classified here. Contact may be made directly from the power source to the person or indirectly, such as when a pipe being held contacts a power line.

In instances where an electric shock initiates a chain of events which results in an impact injury, the appropriate impact event code should be selected. For example, if an electric shock knocks a worker from a ladder fracturing his leg, the event should be coded Fall from ladder.

Electric shocks should be classified by the energized source of power. If a worker receives an electric shock when a power tool falls into a pool of water in which he is standing, code 311 applies. Electrocutions occurring when a ladder contacts overhead power lines are coded 313. If a worker is injured when he drilled into a wall and cut through interior building wiring, code 312 would apply.

310 Contact with electric current, unspecified
311 Contact with electric current of machine, tool, appliance, or light fixture
312 Contact with wiring, transformers, or other electrical components
313 Contact with overhead power lines
314 Contact with underground, buried power lines
315 Struck by lightning
319 Contact with electric current, n.e.c.

32* Contact with temperature extremes

Contact with temperature extremes applies to cases in which the injury or illness resulted from contact with, or exposure to, either hot or cold objects or substances, or general heat or cold in the environment. Injuries or illness in this major group include thermal burns which resulted from contact with controlled or intentional heat sources (such as a stoves, welding torches, or heated fluids), heat exhaustion, heat stroke, freezing, frostbite, hypothermia, etc. Contact with fire and flames from controlled sources (stoves, campfires, torches, cigarettes, furnaces, etc.) should be coded 323, Contact with hot objects or substances.

Cases of burns from contact with the sun's rays or other radiations are included in major group 36, Exposure to radiation. Cases of chemical burns are included in major group 34, Exposure to caustic, noxious or allergenic substances.

If burns result from a transportation accident, the event should be coded in Division 4. If burns result from an explosion or from an uncontrolled or unintended fire that didn't involve a transportation accident, the event should be coded in Division 5. Uncontrolled or unintended fires includes building fires and accidental ignition of objects or substances, for example: trash cans, furniture, cooking oil, frying fat or grease.

320 Contact with temperature extremes, unspecified
321 Exposure to environmental heat
322 Exposure to environmental cold
323 Contact with hot objects or substances
324 Contact with cold objects or substances
33* Exposure to air pressure changes

Use event group 33, Exposure to air pressure changes, for instances of deep-sea diving or airplane decompression.

- 330 Exposure to air pressure change, unspecified
- 331 Pressure changes underwater
- 332 Pressure changes in airplane, other aircraft
- 339 Exposure to air pressure change, n.e.c.

34* Exposure to caustic, noxious, or allergenic substances

Contact with caustic, noxious (harmful) or allergenic substances applies to cases in which the injury or illness resulted from the inhalation, absorption (skin contact), injection (needle sticks, venomous bites, stings) or ingestion (swallowing) of harmful substances. Codes in this major group should be used for instances of poisoning, allergic reactions, contagious diseases, reactions to insect, animal bites and stings, etc.

- 340 Exposure to caustic, noxious, or allergenic substances, unspecified
- 341* Inhalation of substance
  - 3410 Inhalation of substance, unspecified
  - 3411 Inhalation in enclosed, restricted, or confined space
  - 3412 Inhalation in open or nonconfined space
- 342 Contact with skin or other exposed tissue
- 343* Injections, stings, venomous bites
  - 3430 Injections, stings, venomous bites, unspecified
  - 3431 Needle sticks
  - 3432 Bee, wasp, hornet sting
  - 3433 Other stings or venomous bites
  - 3439 Injections, stings, venomous bites, n.e.c.
- 344 Ingestion of substance
- 349 Exposure to caustic, noxious, or allergenic substances, n.e.c.

35* Exposure to noise

Codes in this major group apply only to non-impact cases in which the injury or illness resulted from exposure to noise. Hearing impairments resulting from exposure to a single loud noise (with the exception of explosions) or to prolonged noise over time are classified here.
If an explosion resulted in a hearing loss or impairment, select a code from major group 52, Explosion.

350  Exposure to noise, unspecified
351  Exposure to noise over time
352  Exposure to noise in single incident

36*  Exposure to radiation

Contact with radiation applies to cases in which the injury or illness resulted from exposure to any type of radiation either ionizing or nonionizing. Common forms of nonionizing radiation include: ultraviolet, visible light, infrared, microwaves and radio waves, radars, lasers, and power frequencies. This major group is appropriate for burns from the sun's rays or other radiation as well as for general radiation sickness.

360  Exposure to radiation, unspecified
361  Exposure to sun
362  Exposure to welding light
363  Exposure to radioactive material
369  Exposure to radiation, n.e.c.

37  Exposure to traumatic or stressful event, n.e.c.

Exposure to traumatic or stressful event, n.e.c., includes instances where workers are injured or made ill by stressful events on the job. Cases in which workers are injured or made ill by witnessing accidents or other traumatic events are included here, unless the worker was included as a victim of an assault or violent act.

38*  Oxygen deficiency, n.e.c.

Oxygen deficiency, n.e.c. applies only to cases in which the injury or illness resulted from lack of oxygen, without the involvement of harmful substances. Generally cases of suffocation or strangulation will be classified in this major group. Cases involving lack of oxygen in combination with inhalation of other substances such as smoke or sewer gas are not classified under this major group.

Depletion of oxygen (codes 383, 384) applies only to cases in which the injured was harmed by an insufficient air supply, not because of crushing injuries or any physical restriction of breathing. Examples of confined or restricted spaces are storage tanks, vats, sewers, boilers, tanks, or cars.

Drowning is coded in event group 381, unless the drowning resulted from a transportation accident, in which case a code in Division 4 should be used.

381  Drowning, submersion
382  Choking on object or substance
383  Depletion of oxygen from cave-in or collapsed materials
384  Depletion of oxygen in other enclosed, restricted, or confined space
389  Other oxygen deficiency, n.e.c.

39  Exposure to harmful substances or environments, n.e.c.
TRANSPORTATION ACCIDENTS

This division covers events involving transportation vehicles, powered industrial vehicles or powered mobile industrial equipment in which at least one vehicle (or mobile equipment) is in normal operation and the injury/illness was due to collision or other type of traffic accident, loss of control, or a sudden stop, start, or jolting of a vehicle regardless of the location where the event occurred.

References to "vehicles" in this Division should be interpreted to include powered industrial vehicles and powered mobile industrial equipment unless otherwise noted.

Cases classified in this division include pedestrians, roadway workers, or other nonpassengers struck by vehicles, powered industrial equipment on or off the roadway (including indoor locations) when the accident meets these criteria:

At least one vehicle was in regular operation, and
The impact was caused by a traffic accident or forward/backward travel of the vehicle.

Excluded are injuries or illnesses associated solely with the use of nontransport components of mobile equipment. For example, being struck by rising forklifts, falling trailer doors, or swinging buckets on a loader are coded in major group 02 Struck by object unless the impact was also due to the travel of the vehicle.

Events due to loss of control or the sudden start or stop refer to situations where no collision occurs, such as instances of whiplash caused by sudden stopping (without collision) or being struck by objects that fly forward upon stopping.

Events not involving normal operation of vehicle or which do not involve traffic accidents, loss of control, or sudden stop/start are excluded from Transportation Accidents. For example, drivers or passengers hurt by vibration of vehicle, made ill by carbon monoxide (without other incident), burned by spilling hot drinks without collision, or injured by general operation of vehicle (such as shifting gears) would not be coded in this section because they do not involve traffic accidents, loss of control or sudden stop/start. Instances where the vehicle coasts, rolls, slips into gear, falls off the lift during repair work or while parked do not involve normal operation of the vehicle and therefore are excluded unless that movement was brought about by collision with another vehicle. Falls from vehicles not in motion generally go into the "Falls" division.

Transportation vehicles, powered industrial vehicles, and powered mobile industrial equipment include--

Highway vehicles:
- Autos, buses, trucks, motorcycles, RVs, bicycles, other nonpowered highway vehicles
- Air, rail, or water vehicles
Offroad powered vehicles: ATVs, golf carts, snowmobiles
Plant and industrial powered vehicles and tractors:
- Forklifts, tractors, other powered carriers
Powered mobile industrial or construction equipment:
- Loaders, bulldozers, backhoes, etc.
Powered mobile agricultural equipment:
- Harvesters, combines, mobile planters, etc.

Excluded are:

Nonpowered industrial vehicles: Dollies, carts, wheel barrows
Nonindustrial, nonhighway mobile equipment
Wheelchairs: motorized and nonmotorized, stretchers, wagons

Transportation Accidents take precedence over all other event codes except Assaults and Violent Acts. For example, if the injury was inflicted from an explosion which resulted from an accident to a vehicle it should be coded to this section, not Explosions.
Highway accidents include accidents to vehicle occupants occurring on that part of the public highway, street, or road normally used for travel as well as the shoulder and surrounding areas, telephone poles, bridge abutments, trees aligning roadway, etc. Accidents occurring entirely off the highway, street, off road, or on industrial, commercial, or farm premises or parking lots are considered to be nonhighway accidents.

If more than one of the events in this major group occurred, code the first event listed in the code sequence. For example, if a car driven by the injured person collided with an oncoming vehicle then hit a pole on the side of the road, code the collision with the oncoming vehicle (4113) as the event.

If the injured person was a pedestrian or nonpassenger, use event group 43.

References to "vehicles" in this section should be interpreted to include the powered industrial vehicles and powered mobile industrial equipment unless otherwise noted.

410 Highway accident, unspecified

411* Collision between vehicles, mobile equipment

Codes in this event group apply to cases in which the injured person was an occupant of a vehicle involved in a highway collision in which both vehicles were in motion or between a moving vehicle and a stationary vehicle. If more than one event in this event group occurred, code the first event listed in the code sequence. For example, if the injured person is in a car that is hit by an oncoming car, then crashes into a parked car, use code 4113. Cars stopped at traffic lights, stop signs, etc., are considered standing vehicles.

Re-entrant collisions (4111) are limited to those in which one of the vehicles left the roadway (onto the shoulder, or other nonroadway area) and the collision occurred when that vehicle reenters the roadway. Instances involving normal access to a roadway from entrance ramps or side streets are not coded here.

4110 Collision between vehicles, mobile equipment, unspecified
4111 Re-entrant collision
4112 Moving in same direction
4113 Moving in opposite directions, oncoming
4114 Moving in intersection
4115 Moving and standing vehicle, mobile equipment--in roadway
4116 Moving and standing vehicle, mobile equipment--side of road
4119 Collision between vehicles, mobile equipment, n.e.c.

412 Vehicle struck stationary object or equipment in roadway

Codes in this event group apply to cases in which the injured person was an occupant of a vehicle which struck a stationary object or a piece of equipment, other than a vehicle, in the roadway. For example, use this code if the vehicle hit a concrete lane divider or a box lying in the road. Injuries to occupants of vehicles which strike stationary road repair equipment are coded here if the equipment is in the normal roadway area, including lanes under repair or blocked off to hold equipment.

413 Vehicle struck stationary object, equipment on side of road

Codes in this event group apply to cases in which the injured person was an occupant of a vehicle which struck a stationary object or a piece of equipment on the side of the roadway. Use this code if the vehicle hits a guardrail, telephone pole, or stationary road repair equipment which is not on the roadway.

414* Noncollision accident

Codes in this event group apply to cases in which the injured person was an occupant of a vehicle that was involved in a noncollision highway accident. These are incidents in which the vehicle
that the injured person occupied did not make contact with a vehicle or object other than the road or driving surface.

If more than one event in this event group occurred, code the first event listed in the code sequence. For example, use code 4141 if a vehicle overturned, even when the vehicle was also out of control.

Use Event Code 4141, **Jack-knifed or overturned--no collision** when the vehicle occupied by the injured person overturned or jack-knifed, either on or after leaving the roadway.

Event Code 4142, **Ran off highway--no collision**, should be used when the vehicle occupied by the injured person was out of control and ran off highway and did not overturn or collide with any object or vehicle. If the vehicle hits another vehicle or object, select event group 411, 412, or 413.

Event Code 4143, **Struck by shifting load**, should be used when collision is not involved and the movement of the vehicle results in the occupant being struck by a shifting or falling load. In the event that the vehicle was involved in a sudden stop or start and the injured person was struck by a shifting load, use Event Code 4143.

Event Code 4144, **Sudden start or stop**, should be used when collision is not involved and the movement of the vehicle results in any of these events affecting the occupant:

- Bodily motion
- Striking against interior parts of the vehicle.
- Being thrown out of the vehicle.

Injuries incurred solely by the jolting of the vehicle when hitting a defect or small obstruction in the roadway such as a pothole, or riding over a raised piece of concrete roadway are classified as **Noncollision accident, n.e.c. (4149)**.

Injuries or illnesses resulting from relatively routine movement of the vehicle are not included in Noncollision accidents. For example, a driver may sustain back injury or illness resulting from prolonged vibration involved in operating the vehicle. These types of cases would be coded in Division 0 Contact with Objects or Equipment.

- 4140 Noncollision accident, unspecified
- 4141 Jack-knifed or overturned--no collision
- 4142 Ran off highway--no collision
- 4143 Struck by shifting load
- 4144 Sudden start or stop, n.e.c.
- 4149 Noncollision accident, n.e.c.

419 Highway accident, n.e.c.

42* Nonhighway accident, except rail, air, water

Nonhighway accidents which injure the occupants are accidents that occur or originate entirely off the highway or that occur or originate on industrial, commercial, residential, farm premises. Parking lots accidents are included here if the injured was an occupant of a vehicle. Unpaved construction roadways, roads being built, and logging roads are included as nonhighway locations. Roads under repair which are still in partial use are considered highways (major group 41).

If more than one of the events in this major group occurred, code the first event listed in the code sequence. For example, if a forklift driven by the injured person collided with another forklift then hit a stack of lumber, code the collision with the forklift (421) as the event.

If the injured person was a pedestrian or nonpassenger, use event group 43.

*References to "vehicles" in this section should be interpreted to include the powered industrial vehicles and powered mobile industrial equipment unless otherwise noted.*

420 Nonhighway accident, unspecified

421 Collision between vehicles or mobile equipment

* - Asterisks indicate division, major group, or group titles.
Codes in this event group apply to cases in which the injured person was an occupant of a vehicle involved in a nonhighway collision in which both vehicles were in motion or a collision between a moving vehicle and a stationary vehicle.

### 422 Vehicle, mobile equipment struck stationary object

Codes in this event group apply to cases in which the injured person was an occupant of a vehicle which struck a stationary object or a piece of equipment, other than a vehicle, in a nonhighway accident. For example, use this code if the vehicle hit a concrete pole in parking garage or if a logging truck slid in the mud on a logging road and struck a tree injuring the occupant.

### 423* Noncollision accident

Codes in this event group apply to cases in which the injured person was an occupant of a vehicle that was involved in a noncollision nonhighway accident. These are incidents in which the vehicle that the injured person occupied did not make contact with a vehicle or object other than the driving surface.

Use code 4231 if the person was injured solely by falling from a vehicle (nonhighway). Use code 4232 if the worker fell and then was hit by the vehicle that he/she fell from. For example, if a worker falls off the tractor, than gets run over by the tractor's trailer, use code 4232.

Use code 4233 if a vehicle overturned, even when the vehicle was also out of control.

Event Code 4235, Struck by shifting load, should be used for nonhighway incidents when collision is not involved and the movement of the vehicle results in the occupant being struck by a shifting or falling load. In the event that the vehicle was involved in a sudden stop or start and the injured person was struck by a shifting load, use Event Code 4235.

Event Code 4236, Sudden start or stop, should be used for nonhighway incidents when collision is not involved and the movement of the vehicle results in any of these events affecting the occupant:

- Bodily motion
- Striking against interior parts of the vehicle.
- Being thrown out of the vehicle.

Injuries incurred solely by the jolting of the vehicle when hitting a defect in the ground surface such as a hole or riding over a small obstruction in the pathway such as a piece of lumber are classified as Noncollision accident, n.e.c. (4239).

Injuries or illnesses resulting from relatively routine movement of the vehicle are not included in Noncollision accidents. For example, a driver may sustain back injury or illness resulting from prolonged vibration involved in operating mobile logging equipment. These types of cases would be coded in Division 0 Contact with Objects or Equipment.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4230</td>
<td>Noncollision accident, unspecified</td>
</tr>
<tr>
<td>4231</td>
<td>Fall from moving vehicle, mobile equipment</td>
</tr>
<tr>
<td>4232</td>
<td>Fell from and struck by vehicle, mobile equipment</td>
</tr>
<tr>
<td>4233</td>
<td>Overturned</td>
</tr>
<tr>
<td>4234</td>
<td>Loss of control</td>
</tr>
<tr>
<td>4235</td>
<td>Struck by shifting load</td>
</tr>
<tr>
<td>4236</td>
<td>Sudden start or stop, n.e.c.</td>
</tr>
<tr>
<td>4239</td>
<td>Noncollision accident, n.e.c.</td>
</tr>
<tr>
<td>429</td>
<td>Nonhighway accident, n.e.c.</td>
</tr>
</tbody>
</table>

* - Asterisks indicate division, major group, or group titles.
43* Pedestrian, nonpassenger struck by vehicle, mobile equipment

Codes in this major group apply to pedestrians and other nonoccupants who are hit by vehicles or other powered industrial mobile equipment whether on the highway, street, or road, or off the highway.

Cases included in this section must meet the general criteria for Transportation Accidents noted at the beginning of this Division. Pedestrians, roadway workers, or other nonpassengers struck by vehicles, powered industrial equipment on or off the roadway (including indoor locations) are included here when the accident meets the these criteria:

*At least one vehicle was in regular operation, and the impact was caused by a traffic accident or forward/backward travel of the vehicle.*

Injuries or illnesses associated solely with the use of nontransport components of mobile equipment are not coded here. For example, being struck by rising forklifts, falling trailer doors, or swinging buckets on a loader are coded in major group 02 Struck by object unless the impact was also due to the travel of the vehicle.

Use code 431 if the worker is struck on the roadway, even if the worker is in a lane blocked off for repair. Use code 432 if the accident occurs on the shoulder or side of road. Code 433 includes all areas defined as "nonhighway": industrial, commercial, residential, farm premises, parking lots, unpaved construction roadways, roads being built, and logging roads.

Person struck as they are getting out of vehicles should be considered outside the vehicle and coded in this section.

430 Pedestrian struck by vehicle, mobile equipment, unspecified
431 Pedestrian struck by vehicle, mobile equipment in roadway
432 Pedestrian struck by vehicle, mobile equipment on side of road
433 Pedestrian struck by vehicle, mobile equipment in parking lot or non-roadway area

44* Railway accident

A railway accident is a transport accident involving a rail vehicle which meets the general criteria for a transport accident.

Railway accidents take precedence over highway and nonhighway accidents. Pedestrians struck by trains are coded in major group 43.

If more than one event in this major group occurred, code the first event listed in the code sequence.

Instances where the contents of a rail vehicle exploded or caught fire without a collision (such as from a leak in a rail tank), are coded 446 Explosion, fire, n.e.c. When cars, buses, and other roadway vehicles are hit by a train, code 442 is used regardless of whether the injured person was on the train or in the car, bus, etc.

440 Railway accident, unspecified
441 Collision between railway vehicles
442 Collision between railway vehicle and other vehicle
443 Collision between railway vehicle and other object
444 Fell from and struck by railway vehicle
445 Derailment
446 Explosion, fire, n.e.c.
447 Fall in, on, or from railway vehicle in motion, n.e.c.
449 Railway accident, n.e.c.

45* Water vehicle accident

All incidents involving water vehicle collisions, sinkings, capsizing; explosions or fires on such vehicles; and falls on such vehicles are coded in this major group. Exceptions are incidents involving out-of-water or drydocked water vehicles. Falls on ships and boats are included in this section of transport accidents since water vehicles are subject to motion at all times.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>450</td>
<td>Water vehicle accident, unspecified</td>
</tr>
<tr>
<td>451</td>
<td>Collision</td>
</tr>
<tr>
<td>452</td>
<td>Explosion, fire, n.e.c.</td>
</tr>
<tr>
<td>453</td>
<td>Fall from ship, boat, n.e.c.</td>
</tr>
<tr>
<td>454</td>
<td>Fall on ship, boat</td>
</tr>
<tr>
<td>455</td>
<td>Sinking, capsized water vehicle</td>
</tr>
<tr>
<td>459</td>
<td>Water vehicle accident, n.e.c.</td>
</tr>
<tr>
<td>460</td>
<td>Aircraft accident, unspecified</td>
</tr>
<tr>
<td>461</td>
<td>During takeoff or landing</td>
</tr>
<tr>
<td>469</td>
<td>Aircraft accident, n.e.c.</td>
</tr>
</tbody>
</table>

**46** Aircraft accident

All incidents involving aircraft which are in use for transport are included in this major group.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>460</td>
<td>Aircraft accident, unspecified</td>
</tr>
<tr>
<td>461</td>
<td>During takeoff or landing</td>
</tr>
<tr>
<td>469</td>
<td>Aircraft accident, n.e.c.</td>
</tr>
</tbody>
</table>

**49** Transportation accident, n.e.c.
EVENT  FIRES AND EXPLOSIONS

5*  FIRES AND EXPLOSIONS

Codes in this division apply to cases in which the injury or illness resulted from an explosion or fire. Included are cases in which the person fell, jumped, inhaled a harmful substance, or was struck by or struck against an object as a result of an explosion or fire.

Explosions and Fires have precedence over all other events and exposures except Assaults and Violent Acts and Transportation Accidents.

50  Fire or explosion, unspecified

51*  Fire—unintended or uncontrolled

Codes in this major group apply only to cases in which the injury or illness resulted from the unintended ignition of an object/substance or from an uncontrolled fire which may have originated at an intentional heat source. Examples of unintended or uncontrolled fires include bedding, cooking oil, or trashcans catching fire as well as major conflagrations of buildings. For contact with controlled or intentional heat sources such as stove tops, hot cooking utensils, welding torches, pilot lights, hot motors or engines, use code 323 (Contact with hot objects or substances).

Fires resulting from explosions and fires which cause explosions are coded as fires since fires take precedence over explosions. Uncontrolled, but intentionally set fires such as arson are included here. Fires resulting from bombings are coded here.

Ignition of clothing is coded separately (513) only when it is the only uncontrolled or unintended fire. For example, use code 513 if a person was burned because their shirt caught fire when it touched a stove burner. If a worker was burned when clothing ignited from a grease fire on the stove, code 511 should be used since the grease fire is the uncontrolled or unintended fire.

510  Fire, unspecified
511  Fire in residence, building, or other structure
512  Forest, brush, or other outdoor fire
513  Ignition of clothing from controlled heat source
519  Fire, n.e.c.

52*  Explosion

Codes in this major group apply only to cases in which the injury or illness resulted from an explosion. An explosion is a rapid expansion, outbreak, bursting, or upheaval. Codes in this major group apply to large explosions (tank cars) and small explosions (bottles, aerosol cans). They apply to unintentional and intentionally-set explosions.

When an injury or illness results from an explosion resulting in a fire, the event should be coded in Fires. Explosion codes take precedence over other event codes, except assaults, transportation accidents and fires. For example, if an explosion of a hot water pressure system results in a person being burned, use code 522 rather than contact with temperature extremes. Similarly, if an explosion results in hearing loss, use the appropriate code from major group 52, Explosions, rather than exposure to noise. On the other hand, if a transportation accident results in an explosion that injures an employee, the event should be coded as transportation accident rather than explosion.

Event group 522, Explosion of pressure vessel or piping includes explosions of aerosol cans and automobile tires.

520  Explosion, unspecified
521  Explosion of battery
522  Explosion of pressure vessel or piping
529  Explosion, n.e.c.
**ASSAULTS AND VIOLENT ACTS**

Assaults and Violent Acts include cases in which a person was injured or made ill by intentional assaults or by violent, harmful actions of unknown intent.

**60** Assasults and violent acts, unspecified

**61** Assasults and violent acts by person(s)

Assaults and violent acts by persons include cases in which the worker was injured or made ill by intentional assaults by a person (or persons) or by violent, harmful actions of unknown intent by a person.

Examples of harmful actions of unknown intent include:

- Instances involving violent act (hitting, biting, kicking, scratching, etc.) of patients, not reported as accidental - such as "Nurse struck by patient."
- Cases of gunshots where it is unknown whether the gun discharged accidentally.

Generally, injuries involving the normal worksite tasks and actions of co-workers are considered accidental unless information to the contrary is provided. For example, if it is reported that a person was injured when a co-worker dropped a brick on him/her, use code **021 Struck by falling object** unless there is information to indicate it was intentional. Cases of accidental release of a gun in a nonhostile environment should be coded as Struck by discharged object or substance (code 0222).

**610** Assasults and violent acts by person(s), unspecified
   **611** Biting
   **612** Hitting, kicking, beating
   **613** Shooting
   **614** Squeezing, pinching, scratching, twisting
   **615** Stabbing
   **616** Rape
   **617** Threats or verbal assaults
   **619** Assasults and violent acts by person(s), n.e.c.

**62** Self-inflicted injury

This major group included cases where the worker was hurt by a self inflicted injury that was intentional or of unknown intent.

As with major group 61, injuries resulting from the normal worksite tasks and actions of the worker are generally considered accidental unless information to the contrary is provided. For example, if it is reported that a worker hit himself in the head with a hammer, cut herself with a knife, or fell down the stairs, it should not be coded in this division. Jumps or falls would not be classified here unless it is reliably documented as a suicide or attempted suicide.

**620** Self-inflicted injury, unspecified
   **621** Suicide, attempted suicide
   **622** Self-inflicted injury or fatality--intent unknown

**63** Assasults by animals

Codes in this major group apply when an injury or illness results from nonvenomous animal bites or other violent acts by animals: kicking, stomping, throwing a rider. Venomous bites and stings are coded in event group 343, **Injections, stings and venomous bites**.

**630** Assasults by animals, unspecified
   **631** Nonvenomous bites
   **639** Assasults by animals, n.e.c.
<table>
<thead>
<tr>
<th>EVENT</th>
<th>OTHER EVENTS OR EXPOSURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>OTHER EVENTS OR EXPOSURES</td>
</tr>
<tr>
<td></td>
<td>This division classifies any event or exposure which is not classified or listed under any other division.</td>
</tr>
<tr>
<td>9999</td>
<td>Nonclassifiable</td>
</tr>
</tbody>
</table>