

Occupational Injury and Illness Classification Manual



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OCCUPATIONAL INJURY AND ILLNESS CLASSIFICATION MANUAL

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SECTION 1.

**Introduction
to the
Occupational
Injury
and
Illness
Classification
Manual**

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.

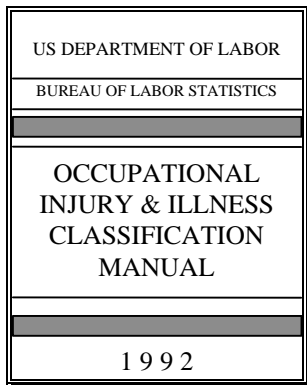
Each code structure in this manual is presented with and without the code descriptions. The code descriptions provide more detail about the codes themselves. The descriptions are extremely useful in determining the make-up of the code categories--the kind of information that each code is trying to capture. 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.

EXHIBIT 1.0

**Overview of the Occupational Injury and Illness
Classification Manual**



SECTION 1

- Table of Contents
- Introduction

SECTION 2

- Descriptions
- Definitions
- Rules of Selection

SECTION 3

- Titles

SECTION 4

- Indices

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SECTION 2.

**Definitions,
Rules of
Selection,
and
Titles and
Descriptions**

SECTION CONTENTS

2.1	Nature of Injury or Illness
2.2	Part of Body Affected
2.3	Source of Injury or Illness
2.4	Event or Exposure
2.5	Secondary Source of Injury or Illness

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SECTION 2.1	
<p style="text-align: center;">Nature of Injury or Illness</p>	

SECTION	CONTENTS
2.1.1	Definition, Rules of Selection
2.1.2	Titles and Descriptions

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:

<u>DIVISION</u>	<u>TITLE</u>
0	Traumatic Injuries and Disorders
1	Systemic Diseases or Disorders
2	Infectious and Parasitic Diseases
3	Neoplasms, Tumors, and Cancer
4	Symptoms, Signs, and Ill-defined Conditions
5	Other Conditions or Disorders
8	Multiple Diseases, Conditions, or Disorders
9999	Nonclassifiable

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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)

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, hemarthrosis, "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

032 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.

033 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)

034 Cuts, lacerations
035 Enucleations

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

036 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.

037 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)

038 Multiple open wounds

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

039 Open wounds, n.e.c.**04* 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.

040 Surface wounds and bruises, unspecified**041 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.

*-Asterisks indicate division, major group, or group titles

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), hemarthrosis (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.**

*-Asterisks indicate division, major group, or group titles

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)

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**

*-Asterisks indicate division, major group, or group titles

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; pupura 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: meningitis (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)

*-Asterisks indicate division, major group, or group titles

- 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 laryngotracheitis (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 Extrinsic 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.**

*-Asterisks indicate division, major group, or group titles

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 ileum, 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.**

*-Asterisks indicate division, major group, or group titles

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 osteopathies, 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, lymphadenitis, 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 Erythematous 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); asteatosis--cutis (1849), and xerosis cutis (1849)

- 1840 Diseases of sebaceous glands, unspecified
- 1841 Acne
- 1842 Sebaceous cyst
- 1849 Diseases of sebaceous glands, n.e.c.

*-Asterisks indicate division, major group, or group titles

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 caseous 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** **Gonorrhoea and other gonococcal infections**
- 2139** **Syphilis and other venereal diseases, n.e.c.**

*-Asterisks indicate division, major group, or group titles

214* Other spirochetel 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 spirochetel diseases, unspecified**
- 2141 Leptospirosis**
- 2142 Vincent's angina**
- 2143 Yaws**
- 2144 Pinta**
- 2149 Other spirochetel 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 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), meningitis 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 (225), 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 (224)

230 Other arthropod-borne diseases, unspecified**231* Rickettsioses diseases**

This nature group classifies diseases due to Rickettsiae bacteria.

Includes: tick-born 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 mosquitos.

234 Leishmaniasis

This nature group classifies arthropod-borne diseases caused by parasitic protozoa resulting in visceral, cutaneous, or mucocutaneous leishmaniasis.

*-Asterisks indicate division, major group, or group titles

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: allesscheriosis, aspergillosis, chromoblastomycosis, cryptococcosis, mycotic mycetomsa, 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, trichostrongyliasis, and trichuriasis

*-Asterisks indicate division, major group, or group titles

26* **Infectious diseases peculiar to the intestines**

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

Excludes: helminthiasis 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**

*-Asterisks indicate division, major group, or group titles

This nature group classifies infections by the protozoan *Toxoplasma 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 Acariasis (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

3* NEOPLASMS, TUMORS, AND CANCER

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)**
reticulum cell sarcoma
- 3132 Hodgkin's disease**
nodular sclerosis
- 3133 Multiple myeloma**
Kahler's disease Myelomatosis

*-Asterisks indicate division, major group, or group titles

- 3134 Leukemias**
lymphoid *myeloid*
monocytic *Di Guglielmo's disease*
erythremic myelosis *Heilmeyer-Schoner disease*
- 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.

*-Asterisks indicate division, major group, or group titles

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 can not 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.**

*-Asterisks indicate division, major group, or group titles

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)

*-Asterisks indicate division, major group, or group titles

426 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

427 Multiple abnormal findings

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

429 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

48* Multiple symptoms, signs, and ill-defined conditions**480 Multiple symptoms, signs, and ill-defined conditions, unspecified****481 Multiple chemical sensitivity**

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

489 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.

49 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.

*-Asterisks indicate division, major group, or group titles

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

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SECTION 2.2	
<p style="text-align: center;">Part of Body Affected</p>	

SECTION CONTENTS	
2.2.1	Definition, Rules of Selection
2.2.2	Titles and Descriptions

2.2.1 Part of Body Affected--Definition, Rules of Selection
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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**.*

2.2.2	Part of Body Affected--Titles and Descriptions
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<p>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.</p>

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:

<u>DIVISION</u>	<u>TITLE</u>
0	Head
1	Neck, Including Throat
2	Trunk
3	Upper Extremities
4	Lower Extremities
5	Body Systems
8	Multiple Body Parts
9	Other Body Parts
9999	Nonclassifiable

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0* HEAD

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.

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

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.

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

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.**

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

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.

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

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.**

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

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

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

38* Multiple upper extremities locations

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

380 Multiple upper extremities locations, unspecified**381** Hand(s) and finger(s)

Includes: combinations of at least one hand and one finger

382 Hand(s) and wrist(s)

Includes: combinations of at least one hand and one wrist

383 Hand(s) and arm(s)

Includes: combinations of at least one hand and one arm

389 Multiple upper extremities locations, n.e.c.**39** Upper extremities, n.e.c.

*- 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.**

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

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.**

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

5 BODY SYSTEMS

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

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SECTION 2.3

**Source of
Injury or
Illness;
Secondary Source
of Injury
or Illness**

SECTION	CONTENTS
2.3.1	Source of Injury or Illness Definition, Rules of Selection
2.3.2	Secondary Source of Injury or Illness Definition, Rules of Selection
2.3.3	Titles and Descriptions

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)
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- 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.

2.3.2 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.

2.3.2 Secondary Source of Injury or Illness--Rules of Selection (continued)

- 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.

2.3.3 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:

<u>DIVISION</u>	<u>TITLE</u>
0	Chemicals and Chemical Products
1	Containers
2	Furniture and Fixtures
3	Machinery
4	Parts and Materials
5	Persons, Plants, Animals, and Minerals
6	Structures and Surfaces
7	Tools, Instruments, and Equipment
8	Vehicles
9	Other Sources
9999	Nonclassifiable

0* **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; alkalis; 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.**

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

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
Chlorous acid

Hypochlorous 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.

<i>Arsenic acid</i>	<i>Dithionic acid</i>	<i>Orthoperiodic acid</i>
<i>Arsenous acid</i>	<i>Dithionous acid</i>	<i>Orthosilicic acid</i>
<i>Bromic acid</i>	<i>Hypobromous acid</i>	<i>Orthotelluric acid</i>
<i>Bromous acid</i>	<i>Hypoiodous acid</i>	<i>Perchromic acid</i>
<i>Carbonic acid</i>	<i>Hypophosphorous acid</i>	<i>Periodic acid</i>
<i>Chlorosulfonic acid</i>	<i>Hyponitrous acid</i>	<i>Permanganic acid</i>
<i>Chromic acid</i>	<i>Hyposulfurous acid</i>	<i>Perrhenic acid</i>
<i>Cyanic acid</i>	<i>Iodic acid</i>	<i>Pertechnic acid</i>
<i>Dichloroacetic acid</i>	<i>Isocyanic acid</i>	<i>Phosphorous acid</i>
<i>Dichromic acid</i>	<i>Manganic acid</i>	<i>Rhenic acid</i>
<i>Dichloropropionic acid</i>	<i>Metaboric acid</i>	<i>Selenic acid</i>
<i>Difluorophosphoric acid</i>	<i>Metaphosphoric acid</i>	<i>Sulfoxylic acid</i>
<i>Diphosphoric acid</i>	<i>Metsilicic acid</i>	<i>Sulfurous acid</i>
<i>Diphosphorous acid</i>	<i>Nitrous acid</i>	<i>Technetic acid</i>
<i>Disulfuric acid</i>	<i>Nitroxyl acid</i>	<i>Triphosphoric acid</i>
<i>Disulfurous acid</i>	<i>Orthoboric acid</i>	

* - 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**Polyacrylic acid**Polymethacrylic acid***0143 Carbolic acids***Phenol***0144 Hydrocyanic acid****0145 Peracetic acid****0146 Picric acid***Carbazotic acid**Nitroxanthic acid**Phenol trinitrate**Picronitric acid**Trinitrophenol***0149 Organic acids, n.e.c.***Acetylsalicylic acid**Adipic acid**Alkanesulfonic acid**Benzoic acid**Bromoacetic acid**Butyric acid**Capric acid**Caproic acid**Caprylic acid**Chloroacetic acid**Chlorobutyric**Chloroisocyanuric acid**Chloropropionic acid**Cyanoacetic**Eching acid, liquid, n.o.s.**Fluoboric acid**Fluoroacetic acid**Fluorosulfonic acid**Formic acid**Hexafluorophosphoric acid**Hexanoic acid**Hydrofluorosilicic acid**Iodoacetic acid**Isobutyric acid**Isopentoic acid**Lauric acid**Monofluorophosphoric acid**Oleic acid**Oxalic acid**Nitrohydrochloric acid**Palmitic acid**Performic acid**Persulfuric acid**Phthalic acid**Phenylacetic acid**Phenylstearic acid**Propionic acid**Salicylic acid**Sebacic acid**Stearic acid**Thioglycolic acid**Trichloroacetic acid**Valeric 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.

020 Alkalies, unspecified

021* Calcium hydroxides, calcium oxides

0210 Calcium hydroxide, calcium oxide, unspecified

0211 Cement, mortar mix--dry

0212 Cement, mortar mix--wet

0213 Lime

Burnt lime

Calx

Fluxing lime

Pebble lime

Quick lime

Slaked lime

Unslaked lime

0219 Calcium hydroxide, calcium oxides, n.e.c.

022* Carbonates--calcium, sodium

0220 Carbonates--calcium, sodium, unspecified

0221 Limestone, calcium carbonate

0222 Sodium bicarbonate, baking soda

0223 Sodium carbonate, soda ash

0229 Carbonates, n.e.c.

023 Lithium hydroxide

024 Sodium and potassium hydroxide, potassium carbonate

Caustic potash

Caustic soda

Lye

Potassium carbonate

Potassium hydroxide

Sodium hydroxide

White potash

028 Multiple alkalies

029 Alkalies, n.e.c.

03* Aromatics and hydrocarbon derivatives, except halogenated

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)

030 Aromatics and hydrocarbon derivatives, except halogenated, unspecified

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

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

Grain alcohol
Methylated spirit
Spirit of wine

0313 Ethylene glycol

1,2-Ethanediol
Glycol

Glycol alcohol
EG

0314 Fusel oil

Amyl alcohol
Butyl alcohol

Propyl alcohol

0315 Methanol

Carbinol
Methyl alcohol

Wood alcohol
Wood spirits

0316 Propanol

Dimethyl carbinol
Isopropanol
Isopropyl alcohol

n-propyl alcohol
Rubbing alcohol
Secondary propyl alcohol

0319 Alcohol, n.e.c.

Allyl alcohol
Glycerol
n-butyl alcohol
Pentyl alcohols

Propenyl alcohol
Propylene glycol
Vinyl carbinol

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

Ethyl aldehyde

0322 Acrolein

Acraldehyde
Acrylic aldehyde

Allyl aldehyde
Propenol

0323 Formaldehyde

Formic aldehyde
Methyl aldehyde
Methylene oxide

Oxomethane
Oxymethylene

0324 Formalin

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

0329 Aldehydes, n.e.c.
Butyraldehyde *Furfuraldehyde*
2-Furaldehyde *Propionaldehyde*
Furol *Pyromucic aldehyde*
Furfural

033* Amines--nonaromatic

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

0330 Nonaromatic amines, unspecified

0331 Methyl amine

0339 Nonaromatic amines, n.e.c.

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.

0340 Aromatics, unspecified

0341 Aniline and other aromatic amines

2-Acetylaminofluorene

alpha-, beta-

Naphthylamine

Aminobenzene

Aminodiphenyl

Benzidine

Butter yellow

2-Chloroaniline

4-Dimethylaminoazobenzene

3,3'-Dichlorobenzidine

Methyl yellow

Moca

0342 Benzene

Benzol

Benxole

Coal naptha

Cyclohextriene

Phene

Phenyl hydride

0343 Toluene

Methylbenzene

Methylbenzol

Phenylmethane

Toluol

0344 Xylene

Dimethylbenzene

Xylol

0349 Aromatics, n.e.c.

035* Ethers

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

0350 Ethers, unspecified

0351 Diethyl ether

Anesthetic ether

Diethyl oxide

Ether

Ethoxyethane

Ethyl ether

Ethyl oxide

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

0352	Dimethyl ether <i>Methyl ether</i>	
0353	Ethylene oxide <i>Anprolene</i> <i>Dimethylene oxide</i>	<i>1,2-Epoxyethane</i> <i>Oxirane</i>
0354	Methyl ethyl ether	
0355	Vinyl ether	
0359	Ethers, n.e.c. <i>Dioxane</i>	
036*	Ketones	
	This group includes acetone, mesityl oxide, methyl ethyl ketone (MEK), as well as other ketones.	
0360	Ketones, unspecified	
0361	Acetone <i>Dimethyl ketone</i> <i>Propanone</i>	<i>2-Propanone</i> <i>Pyroacetic ether</i>
0362	Mesityl oxide	
0363	Methyl ethyl ketone <i>Butanone</i> <i>Ethyl methyl ketone</i>	<i>MEK</i>
0364	Methyl n-butyl ketone <i>2-hexanone</i> <i>MBK</i>	<i>Propyl acetone</i>
0369	Ketones, n.e.c. <i>Diacetone</i> <i>Diacetone alcohol</i>	<i>Methyl isobutyl ketone</i> <i>Methyl n-propyl ketone</i>
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.	

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

039* Aromatics and hydrocarbon derivatives, except halogenated, n.e.c.**0391 Nitro hydrocarbons**

<i>Acridine</i>	<i>Hydrazine</i>
<i>Aliphatic and organic nitrogen compounds</i>	<i>Nitrobenzene</i>
<i>Dinitrobenzene</i>	<i>4-Nitrobiphenyl</i>
<i>Dinitro-o-cresol</i>	<i>Nitroethane</i>
<i>Dinitrophenol (DNP)</i>	<i>2-Nitropropane</i>
<i>Dinitrotoluene (DNT)</i>	

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.

- 0432 Fluorotrichloromethane**
Freon
Monofluorotrichloromethane
Refrigerant 11
Trichlorofluoromethane
Trichloromonofluoromethane
- 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).

- 050 Metallic particulates, trace elements, dusts, powders, fumes, unspecified**
- 051 Arsenic, arsenic compounds**
- 052 Beryllium and beryllium compounds**
- 053 Cadmium and cadmium compounds**
- 054* Lead and lead compounds**

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.

0540 Lead and lead compounds, unspecified

0541 Inorganic lead compounds
Lead dioxide
Lead oxide
Lead salts
Lead soaps

0542 Organic lead compounds
Alkyl lead
Lead acetate
Lead arsenate
Tetraethyl lead
Tetramethyl lead

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.

Muriate of potash
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.

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

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.

<i>ithiocarbamates</i>	<i>Organic mercurials (used in seed dressing)</i>
<i>Ferban</i>	<i>Pentachlorophenols</i>
<i>Maneb</i>	<i>Zineb</i>
<i>Nabam</i>	<i>Ziram</i>

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

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

0642 Bipyridyls

<i>Diquat</i>	<i>Paraquat</i>
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0643 Carbamate and thiocarbamate herbicides

Vapam

0644 Dinitro compounds

<i>Dinosam (DNAP)</i>	<i>Dinitro-orthoeresol (DNOC)</i>
<i>Dinoseb (DNBP)</i>	

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		
	<i>Aldicard</i>		<i>Thiram</i>
	<i>Baygon</i>		<i>Vapam</i>
	<i>Carbaryl (Sevin)</i>		<i>Zectran</i>
	<i>Propoxur</i>		
0652	Organochlorine compounds		
	<i>Benzene hexachloride (BHC)</i>	<i>Dieldrin</i>	<i>Lindane</i>
	<i>Chlordane</i>	<i>Endrin</i>	<i>Mirex</i>
	<i>DDT</i>	<i>Heptachlor</i>	<i>Thiodan</i>
	<i>Dicofol (Kelthane)</i>	<i>Kepone</i>	<i>Toxaphene</i>
0653	Organophosphorus compounds		
	<i>Abate</i>	<i>Dursban</i>	<i>Mevinphos</i>
	<i>Bidrin</i>	<i>EPN</i>	<i>Organophosphates</i>
	<i>DDVP (Vapona)</i>	<i>Ethion</i>	<i>Parathion</i>
	<i>Demeton</i>	<i>Fenthion (Baytex)</i>	<i>Phenylsulphtion</i>
	<i>Diazinon</i>	<i>Gardona</i>	<i>Phorate</i>
	<i>Dibrom (Naled)</i>	<i>Guthion</i>	<i>Phosdrin</i>
	<i>Dicathon</i>	<i>Malathion</i>	<i>Supracide</i>
	<i>Diclorvo</i>	<i>Metasystox</i>	<i>Systox</i>
	<i>Dimethoate (Cygon)</i>	<i>Methyl parathion</i>	<i>TEPP</i>
	<i>Thimet</i>		
0658	Multiple insecticides		
0659	Insecticides, n.e.c.		
	<i>Kerosene insecticides</i>	<i>Pyrethrum</i>	
	<i>Nicotine</i>	<i>Rotenone</i>	

066 Rodenticides

Included in this category are various substances used to destroy or control mice, rats, squirrels, and other rodents.

<i>Coumarins</i>	<i>Pival (Pivalyn)</i>	<i>Strychnine</i>
<i>Diphacin</i>	<i>PMP</i>	<i>Thallium sulfate</i>
<i>Fluoroacetates</i>	<i>Sodium Fluoroacetate</i>	<i>Valone</i>
<i>Indandiones</i>	<i>Squill and derivatives</i>	<i>Warfarin</i>
		<i>Zinc phosphide</i>

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**

<i>Conditioners</i>	<i>Rinses</i>
<i>Dyes</i>	<i>Perming solutions</i>
<i>Hair sprays</i>	<i>Setting gels</i>
<i>Hair straighteners</i>	<i>Shampoos</i>
<i>Mousses</i>	

0729 Other beauty preparations, cosmetics

<i>Face masks</i>	<i>Soaps</i>
<i>Make-up</i>	

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**

<i>Floor stripper</i>	<i>Other and unspecified cleaners</i>
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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	
	<i>Blasting cap</i>	<i>Detonator</i>

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	
	<i>Benzine</i>	<i>Napthalene</i>
	<i>Cleaners' naptha</i>	<i>Petroleum ether</i>
	<i>Mineral spirits</i>	<i>Stoddard solvent</i>
	<i>Naptha</i>	
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	
	<i>Bromobenzyl cyanide</i>	<i>Ethylidoacetate</i>
	<i>Chloroacetopheonone</i>	<i>Lacrimogenic gas</i>
0793	Photographic and copying solutions	

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

Clearing agents
Copying machine fluids
Developers
Film developing solutions
Fixers

Photographic chemicals
Mimeograph fluid
Stop baths
Surfactants
Toners

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 krypton*
 - Liquified neon*
 - 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, nonliquified 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. Liquified 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, nonliquified**

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

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
Di-isocyanates

Isocyanates
Toluene-di-isocyanates (TDI)

0952 Resins

Acrylic resin
Epoxy resin

Resin
Silicone resin

0953 Urethanes

Polyurethane

Urethane

0954 Vinyl chloride, polyvinyl chloride

Polyvinyl chloride
Polyvinyl chloride monomer

Vinyl chloride
Vinyl chloride monomer

0959 Plastics, resins, n.e.c.

Bakelite
Elastomer
Ethyl silicate
Ethylene diamine
Monomer

PAPI
Polymer
Polypropylene
Polystyrene
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.

0980 **Multiple chemicals or chemical mixtures, unspecified****0981** **Ammonia and chlorine****0982** **Chlorine and phosphoric acid****0983** **Chlorine and cleaning agent, n.e.c.****0989** **Other multiple chemicals or chemical mixtures****099** **Chemicals and chemical products, n.e.c.***Acetylene**Esters**Flux**Metal cleaning compounds, unspecified**Metal plating solutions, unspecified**Phosphine**Potting compound hardener*

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

1* 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

Packets

112 Barrels, kegs, drums

Barrels--coopered wooden

Breaker

Casks

Drums--fiber

Firkins

Kegs--coopered wooden

Kilderkins

Milk shipping containers

Oil drums

Shipping drums

113 Bottles, jugs, flasks

Bottles--paper

Decanters

Hot-water bottles

Jars

Medicine bottles

Milk bottles

Packing bottles

Packing jugs

Vials

Water bottles

114 Boxes, crates, cartons

Ammunition boxes

Boxes--cardboard

Boxes--corrugated

Boxes--fiberboard

Boxes--filing

Boxes--newsboard

Boxes--setup

Boxes--wooden

Cases--plastic utility

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.

115	Buckets, baskets, pails <i>Baskets--wicker</i> <i>Baskets--wire</i> <i>Baskets--wooden</i> <i>Buckets--coopered wooden</i> <i>Buckets--metal</i> <i>Bushels</i> <i>Dinner pails</i>	<i>Flower baskets</i> <i>Fruit baskets</i> <i>Lobster pots</i> <i>Milk pails</i> <i>Picnic baskets</i> <i>Pitchers</i> <i>Slop pails</i>
116	Cans <i>Aluminum cans</i> <i>Beverage cans</i> <i>Canisters</i> <i>Canned foods</i> <i>Foil-fiber cans</i> <i>Food cans</i> <i>Garbage cans</i>	<i>Gasoline cans</i> <i>Milk cans</i> <i>Oil cans</i> <i>Packing cans</i> <i>Tin cans</i> <i>Trash cans</i> <i>Watering cans</i>
117	Pots, pans, trays <i>Ashtrays</i> <i>Bakepans</i> <i>Breadpans</i> <i>Cake pans</i> <i>Dishpans</i> <i>Dustpans</i> <i>Frying pans</i>	<i>Kettles--nonpressurized</i> <i>Pans--kitchen</i> <i>Pots--kitchen</i> <i>Serving trays</i> <i>Skillets</i> <i>Trays--plastic</i> <i>Woks</i>
118	Tanks, bins, vats <i>Aquaria</i> <i>Cisterns</i> <i>Dumpsters</i> <i>Farm storage tanks</i> <i>Hoppers</i> <i>Melting pots</i> <i>Oil storage tanks</i>	<i>Tanks--coopered</i> <i>Trash bins</i> <i>Troughs</i> <i>Tubs--coopered</i> <i>Tubs--excluding bathtubs</i> <i>Vats--wooden</i> <i>Water tanks</i>
119	Containers--nonpressurized, n.e.c. <i>Air cargo containers</i>	<i>Aluminum containers for bakery goods and frozen foods</i>
12*	Containers--pressurized	
	This major group classifies pressurized containers which are fix-shaped receptacles used to hold, store, or carry gases, vapors, or liquids.	
	<i>Includes:</i> Boilers; hoses; pressure lines.	
	<i>Excludes:</i> Air and gas compressors (3991); pressure-cooking equipment (332); pipes, ducts, tubing (412); valves (423).	
120	Containers--pressurized, unspecified	
121	Boilers <i>Industrial boilers</i> <i>Marine boilers</i>	<i>Power boilers</i> <i>Pressure stills</i>
122	Hoses <i>Fire hoses</i> <i>Garden, Water hoses</i> <i>Hoses--metal</i>	<i>Hoses--plastic</i> <i>Hoses--rubber</i> <i>Pneumatic hoses</i>
123	Oxygen tanks	
124	Pressure lines, except hoses	
125	Propane tanks	

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

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 <i>Billfolds</i> <i>Book bags</i> <i>Cosmetic pouches</i>	<i>Purses</i> <i>Shoulder bags</i>
153	Suitcases <i>Gym bags</i> <i>Overnight bags</i>	<i>Suit bags</i>
159	Luggage, handbags, n.e.c. <i>Duffel bags</i> <i>Golf bags</i>	<i>Musical instrument cases</i>

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.

2* FURNITURE AND FIXTURES

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--built-in

Bookcases--free-standing

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.

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

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**Cribs**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*

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

235	Sofas <i>Couches</i> <i>Divans</i> <i>Loungers</i>	<i>Love seats</i> <i>Ottomans</i> <i>Sofa beds</i>
236	Tables, worktables <i>Card tables</i> <i>Cocktail tables</i> <i>Coffee tables</i> <i>Conference tables</i> <i>Dining tables</i> <i>Dressers</i>	<i>End tables</i> <i>Folding tables</i> <i>Kitchen tables</i> <i>Lamp stands</i> <i>Operating tables</i>
239	Furniture, n.e.c.	
24*	Other fixtures	
	This major group classifies home, office, and industrial fixtures including lighting equipment and plumbing fixtures.	
	<i>Includes:</i> Lighting equipment; plumbing fixtures.	
	<i>Excludes:</i> Electric parts, wiring (441); plumbing system (612).	
240	Other fixtures, unspecified	
241*	Lighting equipment	
	This source group classifies home, office, and industrial lighting equipment.	
	<i>Includes:</i> Lamps; light bulbs (incandescent or fluorescent); neon lights, stop lights, chandeliers.	
	<i>Excludes:</i> 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.	
	<i>Includes:</i> Bathtubs; sinks; toilets; showers, faucets.	
	<i>Excludes:</i> Pipes (412); valves (423).	
2420	Plumbing fixtures, unspecified	
2421	Bathtubs	
2422	Sinks	
2423	Toilets	
2429	Plumbing fixtures, n.e.c. <i>Faucets</i>	<i>Showers</i>
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**

Haying machines

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

Harrows

Discs

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 dredges

Marine excavators
Suction dredges

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

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.**

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

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 *Potbellied 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.

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

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 trues 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
Drilling machines
Gang drills

Jig boring machines
Radial 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, abrasers; honing, polishing, lapping machinery.

Excludes: Meat grinders (3713); powered surfacing handtools (724); buffers, polishers, waxers (7241); powered hand grinders (7242).

3540 Grinding, polishing machinery, unspecified

3541 Grinders, abrasers
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.

Excludes: Threading and tapping machines (358); powered turning handtools (725).

3550 Lathes, unspecified
3551 Metalworking lathes
3552 Woodworking lathes
3559 Lathes, n.e.c.

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 pressers (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 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.

* - 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

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

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 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 here. All other calenders 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 and rectifying 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

Concrete pumps

Fluid power pumps

Gasoline pumps

Oil well 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*

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

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

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

- 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.

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

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, grappnels, grappling irons/hooks; slings.

Excludes: Logging skidders, logging cable and grapples (3238); pulleys, sheaves, block and tackle, cable, winches (4423).

- 430 Hoisting accessories, unspecified**
- 431 Fixtures, load indicators**
- 432 Hooks, shackles, magnets, clamshells**
- 433 Slings**
- 439 Hoisting accessories, n.e.c.**

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).

440 Machine, tool, and electric parts, unspecified

441* Electric parts

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), alternators, 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).

- 4410 Electric parts, unspecified**
- 4411 Electrical wiring**
- 4412 Generators**
- 4413 Magnetic and electrolytic apparatus**
- 4414 Motors**
- 4415 Power lines, transformers, convertors**
- 4416 Relays, rheostats, starters, controls**
- 4417 Switchboards, switches, fuses**
- 4419 Electric parts, n.e.c.**

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, waterproofer, 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, waterproofer, 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.

480 Vehicle and mobile equipment parts, unspecified**481* Tires, inner tubes, wheels**

This source group classifies unattached tires, inner tubes, and wheels used mostly in conjunction with vehicles and mobile equipment.

Includes: Bike tires; tire inner tubes; all other tires (except bike); wheels, tire rims.

Excludes: Pulleys (4423); vehicles (8).

4810 Tires, inner tubes, wheels, unspecified**4811 Bike tires****4812 Tire inner tubes****4813 Tires, except bike****4814 Wheels, tire rims****4819 Tires, inner tubes, wheels, n.e.c.****482* Engine parts and accessories**

This source group classifies unattached vehicle engine parts and accessories which are not connected to a vehicle when an injury occurs.

Includes: Battery; belts, hoses; engine block; fan; muffler, exhaust; radiator; transmission.

Excludes: Garden hoses (122); house fans (3312); nonvehicle batteries (4419); nonvehicle transmission systems (442); vehicles (8).

4820 Engine parts and accessories, unspecified**4821 Battery****4822 Belts, hoses****4823 Engine block****4824 Fan****4825 Muffler, exhaust****4826 Radiator****4827 Transmission****4829 Engine parts and accessories, n.e.c.****483 Trailers**

This source group classifies trailers which are not connected to a vehicle when an injury occurs.

Includes: Unattached car and truck trailers.

Excludes: Semitrailers, trailer trucks (8254).

484 Windshields, vehicle windows

This source group classifies vehicle windshields and windows that are not installed on a vehicle when an injury occurs.

Includes: Unattached vehicle windshields, windows.

Excludes: Nonvehicle glass (4193); nonvehicle windows (638).

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

49* 489 Vehicle and mobile equipment parts, n.e.c.
Parts and materials, n.e.c.

This major group classifies all parts and materials that are not elsewhere classified.

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

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).

5150 Mammals, unspecified

5151 Cats

5152 Cattle

5153 Dogs

5154 Horses

5155 Rats, rodents

5156 Sheep

5157 Swine

5159 Mammals, n.e.c.

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).

520 Food products, unspecified

521 Bakery products, candy, confections, snack foods

522 Beverages, n.e.c.

523 Dairy products

524 Fruits, nuts, vegetables

525 Grains, grain mill products

526 Meat, poultry

527 Seafood

528 Multiple foods or groceries

529* Other food products--fresh or processed

5291 Fats, oils

5292 Sugar, cocoa, chocolate

5299 Other food products--fresh or processed, n.e.c.

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).

530 Infectious and parasitic agents, unspecified

531 Bacteria

532 Fungi

533 Viruses

539 Infectious and parasitic agents, n.e.c.

* - 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.

553 Clay--natural and processed

This source group classifies all types of natural and processed clay: a fine-grained earth used in the manufacture of bricks, pipes, pottery, and other ceramics.

554 Dirt, earth

This source group classifies all types of dirt, soil, and earth not specified elsewhere.

555 Rocks, crushed stone

This source group classifies hard, nonmetallic mineral matter not specified elsewhere as may be found in quarries or in natural settings. Gravel is classified in 556 (Sand, gravel).

556 Sand, gravel

This group includes all types of sand and gravel used for a variety of purposes.

557 Silica

This group classifies hard, glassy mineral (silica) found in a variety of forms such as quartz, sand, and opal.

559 Nonmetallic minerals, except fuel, n.e.c.**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).

561 Bodily conditions of injured, ill worker

This source group classifies physical, mental, or emotional conditions -- such as heart attacks (not attributed to other sources) or work-related stress -- which result in nervous disorders, symptoms or illnesses.

562 Bodily motion or position of injured, ill worker

This source group classifies stress or strains induced by a free movement of the body or its parts, with no impact involved.

569 Person--injured or ill worker, n.e.c.**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.

570 Person--other than injured or ill worker, unspecified**571 Bodily fluids or substances of person****572 Co-worker, former co-worker of injured or ill worker****573 Health care patient or resident of health care facility****574 Relative of injured or ill worker****579 Person--other than injured or ill worker, n.e.c.**

* - 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.

6440 Mines, caves, tunnels, unspecified
6441 Mines, mine tunnels
6442 Pedestrian tunnels
6443 Sewers, manholes, storm drains
6444 Subway and train tunnels
6449 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.

7* TOOLS, INSTRUMENTS, AND EQUIPMENT

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); tarps (472).

70 Tools, instruments, and equipment, unspecified**71* Handtools--nonpowered**

This major group classifies all nonpowered handtools which are hand-held and operated. Handtools in this major group are not powered by electricity, fuel (gasoline, coal), air, steam, water, or gunpowder. Nonpowered handtools are classified according to their common functions at the source group level (e.g., boring, cutting, digging, gripping, etc.).

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: 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).

710 Handtools--nonpowered, unspecified**711* Boring handtools--nonpowered**

This source group classifies nonpowered handtools which are commonly used to make holes using an attached revolving bit.

Includes: Augers; braces; drills.

Excludes: Unattached drill bits (4431); boring and drilling machinery (352); upright drill presses (3521); powered boring handtools (721).

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

7110 Boring handtools--nonpowered, unspecified**7111 Augers**

<i>Augers</i>	<i>Corkscrews</i>
<i>Bores</i>	<i>Counterbores</i>
<i>Breast augers</i>	<i>Wimbles</i>

7112 Braces

<i>Bit braces</i>	<i>Braces</i>
<i>Brace and bits</i>	<i>Joist braces</i>

7113 Drills

<i>Breast drills</i>	<i>Gimlets</i>
<i>Hand drills</i>	<i>Pin vises</i>
<i>Push drills</i>	<i>Reamers</i>
<i>Ratchet drills</i>	

7119 Boring handtools--nonpowered, n.e.c.

<i>Awls</i>	<i>Bradawls</i>
<i>Bodkins (make holes in cloth)</i>	

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**

<i>Adzes</i>	<i>Froes</i>
<i>Axes</i>	<i>Grub axes</i>
<i>Bark spuds</i>	<i>Halberds</i>
<i>Battle-axes</i>	<i>Hatchets</i>
<i>Broadaxes</i>	<i>Poleaxes</i>
<i>Broad hatchets</i>	<i>Tomahawks</i>
<i>Celts (stone axe)</i>	

7122 Bolt cutters

<i>Bolt cutters</i>	<i>Pliers--cutting</i>
<i>Chain cutters</i>	<i>Wire cutters</i>
<i>Lock cutters</i>	

7123 Chisels

<i>Chisels--bench</i>	<i>Chisels--mortise</i>
<i>Chisels--cold</i>	<i>Chisels--paring</i>
<i>Chisels--construction</i>	<i>Chisels--socket</i>
<i>Chisels--corner</i>	<i>Chisels--steel</i>
<i>Chisels--deep-mortise</i>	<i>Chisels--wood</i>
<i>Chisels--dog leg</i>	<i>Socket slicks</i>
<i>Chisels--dovetail</i>	

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

7124	Knives	<i>Bayonets</i> <i>Bread knives</i> <i>Bushwhackers</i> <i>Butcher knives</i> <i>Carving knives</i> <i>Cleavers</i> <i>Daggers</i> <i>Detail knives</i> <i>Dowel makers (used with lathes)</i> <i>Drawknives</i> <i>Flails--hand-threshing</i> <i>Gouges</i> <i>Groovers</i> <i>Hacks</i> <i>Hunting knives</i> <i>Inshavers</i> <i>Knife Blades</i> <i>Lances</i> <i>Linoleum knives</i> <i>Machetes</i> <i>Marking knives</i>	<i>Mat cutters</i> <i>Palette knives</i> <i>Pocket knives</i> <i>Potato Peelers</i> <i>Pushknives</i> <i>Scrapers(used with lathes)</i> <i>Scythes</i> <i>Shaping knives</i> <i>Shavers</i> <i>Sickles</i> <i>Spears</i> <i>Steak knives</i> <i>Stiletos</i> <i>Switchblades</i> <i>Swords</i> <i>Table knives</i> <i>Whittling knives</i> <i>Veiners</i> <i>Woodcarving knives</i> <i>Woodturning tools(used with lathes)</i> <i>X-Acto knives</i>
7125	Saws	<i>Backsaws</i> <i>Bow saws</i> <i>Coping saws</i> <i>Cross-cut saws</i> <i>Dozuki saws</i> <i>Fret saws</i>	<i>Hand saws</i> <i>Ryoba saws</i> <i>Scroll saws</i> <i>Turning saws</i> <i>Veneer saws</i>
7126	Scissors, snips, shears	<i>Clippers--grass</i> <i>Scissors--hand</i> <i>Scissors--barber's</i> <i>Scissors--school</i> <i>Scissors--tailor's</i>	<i>Shears--hedge</i> <i>Shears--pruning</i> <i>Snips--tin</i> <i>Trimmers--hedge</i>
7129	Cutting handtools--nonpowered, n.e.c.	<i>Can openers--hand-operated</i> <i>Chasers (cut screw threads)</i> <i>Glass cutters</i> <i>Lawn edgers</i> <i>Letter openers</i> <i>Nail clippers</i>	<i>Paper cutters</i> <i>Paper-hole punchers</i> <i>Razorblades</i> <i>Razors</i> <i>Wedges</i>

713* Digging handtools--nonpowered

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).

7130 Digging handtools--nonpowered, unspecified**7131 Hoes**

Hoes--garden
Hoes--grub

Hoes--masons'
Hoes--scuffle

7132 Picks

Pick-axes
Picks--ice

Mattocks(combination adz, pick, and axe)

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

- 7133 Shovels**
Shovels--snow *Spades*
- 7134 Trowels**
Scoops--hand *Trowels--cement*
Spuds (combination *Trowels--garden*
trowel and chisel)
- 7139 Digging handtools--nonpowered, n.e.c.**
Dibbles (make seed *Post hole diggers*
holes in garden)

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 <i>Center finders</i> <i>Gauges--dovetail</i> <i>Gauges--marking</i>	<i>Gauges--multi</i> <i>Gauges--profile</i> <i>Gauges--scoring</i>
7154	Levels <i>Levels</i>	<i>Spirit levels</i>
7155	Plumb bobs <i>Plumbs</i>	<i>Plumb bobs</i>
7156	Rulers, tape measures <i>Angle finders</i> <i>Metersticks</i> <i>Protractors</i> <i>Rulers</i> <i>Rules--bench</i> <i>Rules--centering</i> <i>Rules--foot</i> <i>Rules--parallel</i> <i>Rules--pocket</i>	<i>Rules--shop</i> <i>Rules--steel</i> <i>Size sticks</i> <i>Straight edges</i> <i>Tape lines</i> <i>Tape measures</i> <i>Triangles</i> <i>Yardsticks</i>
7157	Squares <i>Bevels</i> <i>Combination builders tools</i> <i>Squares</i> <i>Squares--combination</i> <i>Squares--engineers</i>	<i>Squares--framing</i> <i>Squares--speed</i> <i>T squares</i> <i>Try squares</i>
7159	Measuring handtools--nonpowered, n.e.c. <i>Balances</i> <i>Compasses--magnetic</i> <i>Compasses--measuring</i> <i>Pantographs</i>	<i>Sextants</i> <i>Scales</i> <i>Scales--bathroom</i>

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 <i>Hammers--ball peen</i> <i>Hammers--cabinetmakers</i> <i>Hammers--claw</i> <i>Hammers--framers</i>	<i>Hammers--meat</i> <i>Hammers--tack</i> <i>Mauls</i>
7162	Mallets <i>Gavels</i> <i>Mallets--beechwood</i> <i>Mallets--carver's</i> <i>Mallets--cocobolo</i>	<i>Mallets--printers'</i> <i>Mallets--rawhide</i> <i>Mallets--rubber</i>
7163	Punches, counterpunches, countersinks <i>Counterpunches</i> <i>Countersinks</i> <i>Punches</i>	<i>Punches--belt</i> <i>Punches--center</i>

7164 Sledges

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

*Hammers--sledge***7169 Striking handtools--nonpowered, n.e.c.**

<i>Batons--police</i>	<i>Nightsticks</i>
<i>Beetles</i>	<i>Numchuks</i>
<i>Billy clubs</i>	<i>Staffs</i>
<i>Blackjacks</i>	<i>Staves</i>
<i>Bludgeons</i>	<i>Tampers</i>
<i>Clubs</i>	

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**

<i>Emery boards</i>	<i>Files--wood</i>
<i>Files--bastard</i>	<i>Rasps--cabinet</i>
<i>Files--cabinet</i>	<i>Rasps--keyway</i>
<i>Files--detail</i>	<i>Rasps--needle</i>
<i>Files--diamond</i>	<i>Rasps--round</i>
<i>Files--nail</i>	<i>Rasps--sculptor's</i>
<i>Files--needle</i>	<i>Rifflers</i>
<i>Files--round</i>	

7172 Planes

<i>Cornering tools</i>	<i>Planes--jointer</i>
<i>Planes--bench</i>	<i>Planes--rabbet</i>
<i>Planes--block</i>	<i>Planes--router</i>
<i>Planes--bullnose</i>	<i>Planes--scraping</i>
<i>Planes--butt Mortise</i>	<i>Planes--scrub</i>
<i>Planes--combination</i>	<i>Planes--smoothing</i>
<i>Planes--compass</i>	<i>Planes--trimming</i>
<i>Planes--fore</i>	<i>Scrapers--cabinet</i>
<i>Planes--hollowing</i>	<i>Shavehooks</i>
<i>Planes--jack</i>	<i>Spokeshaves</i>

7173 Sanders

<i>Abrasive pads</i>	<i>Sanding sticks</i>
<i>Hand sanders</i>	<i>Sandpaper</i>
<i>Sanding grips</i>	

7174 Sharpening stones and wheels

<i>Corundum stone</i>	<i>Pumice stone</i>
<i>Emery wheels</i>	<i>Slipstones</i>
<i>Honing stones</i>	<i>Water stones</i>
<i>Multi-stones</i>	<i>Whetstone</i>
<i>Oilstone</i>	

7179 Surfacing handtools--nonpowered, n.e.c.

<i>Bench strops</i>	<i>Scouring pads</i>
<i>Paint scrapers</i>	<i>Sharpening straps</i>
<i>Putty knives</i>	<i>Slicks</i>

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 *Straight tip*
Ratchet drivers

7182 Wrenches

Spanners *Wrenches--open-end*
Wrenches--adjustable *Wrenches--pipe*
Wrenches--allen *Wrenches--socket*
Wrenches--box *Wrenches--spark-plug*
Wrenches--monkey *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 *Leaf skimmers*
Brooms--push *Mops*
Brooms--straw *Rags*
Brushes--cleaning *Ram rods (cleaning rods)*
Brushes--steel *Sponges*
Dusters--feather

7192 Crowbars

Nail pullers *Prying bars*
Pinch bars (large crowbars) *Wrecking bars*

7193 Pitchforks, sading forks

Garden fork *Manure fork*
Hay fork

7194 Rakes

Rakes--garden *Rakes--swimming pool*
Rakes--leaf

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; nail guns; powered scrubbers, waxers; 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 jacks (347); metalworking 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

Jackhammers

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**

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

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

Point drivers

7293 Scrubbers--powered**7294 Sprayers--paint****7295 Stapling tools--electric or pneumatic**

Staple guns--electric
Staple guns--gunpowder activated

Staple guns--pneumatic

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.**

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

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.

Ladders--chain

Ladders--fire escape

Ladders--sewer

Ladders--silo

Ladders--swimming pool

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**

Ladders--folding

Ladders--step

Stiles

Stools--step

7423 Straight ladders**7424 Truck mounted ladders, aerial ladder trams**

Ladders--fire truck

Ladders--utility truck

7429 Movable ladders, n.e.c.

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--movie*
Cameras--box *Cameras--pinhole*
Cameras--candid *Cameras--portrait*
Cameras--folding *Cameras--reflex*
Cameras--hand *Cameras--still*
Cameras--home movie *Cameras--television*
Cameras--instant *Cameras--video*
Cameras--motion-picture *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).

<i>Cloth--blueprint</i>	<i>Paper--blueprint</i>
<i>Cloth--brownprint</i>	<i>Paper--brownprint</i>
<i>Cloth--diaz</i>	<i>Paper--diaz</i>
<i>Cloth--photographic</i>	<i>Paper--photographic</i>

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).

<i>Projectors--cinema</i>	<i>Projectors--slide</i>
<i>Projectors--home movie</i>	

764 Tripods, stands

This source group classifies tripods and stands which are used to brace cameras and projectors.

<i>Braces--camera</i>	<i>Stands</i>
<i>Braces--projector</i>	<i>Tripods</i>

769 Photographic equipment, n.e.c.

This source group classifies photographic equipment that is not elsewhere classified.

<i>Camera parts</i>	<i>Flash bulbs</i>
<i>Darkroom apparatus</i>	<i>Movie screens</i>
<i>Developing apparatus</i>	<i>Photographic and graphic arts plates</i>
<i>Editing equipment</i>	<i>Photographic film--motion picture,</i>
<i>Enlargers</i>	<i>X-Ray, still camera,</i>
<i>Exposure meters</i>	<i>Special purpose</i>
<i>Film reels</i>	<i>Photographic tanks</i>

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

Canteens

Mess kits

Portable coolers

Portable lanterns

Sleeping bags

Tents and accessories

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

Exercise machines

Gym mats

Jogging machines

Jump ropes

Rowing machines

Treadmills

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

Play sets--outdoor

Sandboxes

Sliding boards

Swing sets

Swings

784 Riding goods and equipment

This source group classifies horse riding goods and equipment. Included here is saddlery and other related equipment.

Crops

Reins

Saddlery

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).

<i>Diving masks</i>	<i>Nose plugs</i>
<i>Fishing equipment</i>	<i>Sailboards</i>
<i>Flotation devices</i>	<i>Scuba diving equipment</i>
<i>Inner tubes--recreational</i>	<i>Skin diving equipment</i>
<i>Kick boards</i>	<i>Snorkels</i>
<i>Life preserves</i>	<i>Surfboards</i>

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).

<i>Air mattresses</i>	<i>Golfing equipment</i>
<i>Arcade games</i>	<i>Hockey equipment</i>
<i>Archery equipment</i>	<i>Ice skates</i>
<i>Baseball equipment</i>	<i>Pinball machines</i>
<i>Basketball equipment</i>	<i>Roller skates/blades</i>
<i>Billiards tables, equipment</i>	<i>Skateboards</i>
<i>Boomerangs</i>	<i>Slot machines</i>
<i>Bowling equipment</i>	<i>Soccer equipment</i>
<i>Boxing equipment</i>	<i>Tennis equipment</i>
<i>Football equipment</i>	

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).

<i>Clocks--cuckoo</i>	<i>Clocks--standing</i>
<i>Clocks--grandfather</i>	<i>Clocks--travel alarm</i>
<i>Clocks--office</i>	<i>Hourglasses</i>
<i>Clocks--ships</i>	<i>Time clocks</i>

* - 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**
- | | |
|--|---|
| <i>Accordions</i> | <i>Musical instruments--electronic, except pianos</i> |
| <i>Banjoes</i> | <i>Musical instruments--non-electronic, except pianos</i> |
| <i>Bassoons</i> | <i>Musical instruments--percussion</i> |
| <i>Bells</i> | <i>Oboes</i> |
| <i>Bugles</i> | <i>Ocarinas</i> |
| <i>Cellos</i> | <i>Octophones</i> |
| <i>Chimes</i> | <i>Organs</i> |
| <i>Clarinets</i> | <i>Piccolos</i> |
| <i>Cornets</i> | <i>Saxophones</i> |
| <i>Cymbals</i> | <i>Synthesizers</i> |
| <i>Drums</i> | <i>Trombones</i> |
| <i>Flutes</i> | <i>Trumpets</i> |
| <i>French horns</i> | <i>Ukuleles</i> |
| <i>Guitars</i> | <i>Vibraphones</i> |
| <i>Harmonicas</i> | <i>Violas</i> |
| <i>Harp</i> | <i>Violins</i> |
| <i>Harpsichords</i> | <i>Wind chimes</i> |
| <i>Mandolins</i> | <i>Xylophones</i> |
| <i>Marimbas</i> | <i>Zithers</i> |
| <i>Musical instrument accessories (e.g. reeds, mouthpieces, stands, traps)</i> | |
- 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--canvase

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

Pencils--colored

Pencils--lead

Pencils--mechanical

Pens--ball-point

Pens--fountain

Pens--meter

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.

799 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).

Candles

Combs

Curlers

Fly swatters

Globes--geographical

Lighters

Matches--book

Soap dispensers

Tobacco pipes

Umbrellas

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 windshields 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.

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

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.

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

9* OTHER SOURCES

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**

<i>Bombs</i>	<i>Mines</i>
<i>Depth charges</i>	<i>Missiles</i>
<i>Grenades</i>	<i>Torpedoes</i>

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).

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

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.	
	<i>Bathing suits</i>	<i>Nightgowns</i>
	<i>Briefs</i>	<i>Nightshirts</i>
	<i>Diving suits</i>	<i>Pajamas</i>
	<i>Lingerie</i>	<i>Swimsuits</i>

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.

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

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.

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SECTION 2.4	
Event or Exposure	

SECTION CONTENTS	
2.4.1	Definition, Rules of Selection
2.4.2	Titles and Descriptions

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
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<p>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.</p>
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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:

<u>DIVISION</u>	<u>TITLE</u>
0	Contact With Objects and Equipment
1	Falls
2	Bodily Reaction and Exertion
3	Exposure to Harmful Substances or Environments
4	Transportation Accidents
5	Fires and Explosions
6	Assaults and Violent Acts
9	Other Events or Exposures
9999	Nonclassifiable

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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**0220** Struck by flying object, unspecified**0221** Struck by dislodged flying object, particle**0222** Struck by discharged object or substance**0229** Struck by flying object, n.e.c.

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

* - 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.

050 Rubbed or abraded by friction or pressure, unspecified

051 Rubbed or abraded by kneeling on surface

052 Rubbed or abraded by objects being handled

053 Rubbed or abraded by foreign matter in eye

059 Rubbed or abraded by friction or pressure, n.e.c.

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.

060 Rubbed, abraded, or jarred by vibration, unspecified

061 Rubbed, abraded, or jarred by vehicle or mobile equipment vibration

062 Rubbed, abraded, or jarred by other machine or equipment vibration

069 Rubbed, abraded, or jarred by vibration, n.e.c.

09 Contact with objects and equipment, n.e.c.

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

1* **FALLS**

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*.

10 **Fall, unspecified****11*** **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.

110 **Fall to lower level, unspecified****111** **Fall down stairs or steps****112*** **Fall from floor, dock, or ground level****1120** **Fall from floor, dock, or ground level, unspecified****1121** **Fall through existing floor opening****1122** **Fall through floor surface****1123** **Fall from loading dock****1124** **Fall from ground level to lower level****1129** **Fall from floor, dock, or ground level, n.e.c.****113** **Fall from ladder****114** **Fall from piled or stacked material****115*** **Fall from roof****1150** **Fall from roof, unspecified****1151** **Fall through existing roof opening****1152** **Fall through roof surface****1153** **Fall through skylight****1154** **Fall from roof edge****1159** **Fall from roof, n.e.c.****116** **Fall from scaffold, staging****117** **Fall from building girders or other structural steel****118** **Fall from nonmoving vehicle****119** **Fall to lower level, n.e.c.**

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

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.

2* **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, welding, 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**

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

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**

If the exposure occurred by inhaling a substance in an enclosed, restricted or confined space, classify the event in code 3411. Examples of confined or restricted spaces are storage tanks, vats, sewers, boilers, tanks, or cars. Use codes in this major group only if the description indicates that the exposure *occurred in a space with limited air flow*.

- 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**

Codes in this event group apply when the injury or illness was produced by poisons, infectious agents or other harmful substance that were transmitted by piercing of the skin. Included in this event group are venomous bites, stings, and needle sticks which transmit an infectious agent.

The nature of injury or illness must be considered in determining whether the needle sticks or animal bites result in exposure to a harmful substance. For example, if a dog bite results in rabies, the injury/illness will usually be coded as rabies, therefore, the event code should be 3433, **Other stings or venomous bites**. If there is no evidence of an infection more serious than the cut, the Nature would be coded under Cuts and lacerations and the event code would be **Assaults by animals** (major group 63).

- 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.

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

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.

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

4* 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.

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40 Transportation accident, unspecified**41* Highway accident**

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

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

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

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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.

4230 Noncollision accident, unspecified
4231 Fall from moving vehicle, mobile equipment
4232 Fell from and struck by vehicle, mobile equipment
4233 Overturned
4234 Loss of control
4235 Struck by shifting load
4236 Sudden start or stop, n.e.c.
4239 Noncollision accident, n.e.c.

429 Nonhighway accident, n.e.c.

* - 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.

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

- 450 Water vehicle accident, unspecified
- 451 Collision
- 452 Explosion, fire, n.e.c.
- 453 Fall from ship, boat, n.e.c.
- 454 Fall on ship, boat
- 455 Sinking, capsized water vehicle
- 459 Water vehicle accident, n.e.c.

46* Aircraft accident

All incidents involving aircraft which are in use for transport are included in this major group.

- 460 Aircraft accident, unspecified
- 461 During takeoff or landing
- 469 Aircraft accident, n.e.c.

49 Transportation accident, n.e.c.

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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.**

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

6* 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 Assaults and violent acts, unspecified**61* Assaults 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 acts (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 Assaults 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 Assaults 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* Assaults 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 Assaults by animals, unspecified**
- 631 Nonvenomous bites**
- 639 Assaults by animals, n.e.c.**

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

9 OTHER EVENTS OR EXPOSURES

This division classifies any event or exposure which is not classified or listed under any other division.

9999 Nonclassifiable

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