



Hyperbaric Oxygen Therapy

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Definition

For the purposes of coverage by the Plan, hyperbaric oxygen therapy (HBOT) is a modality in which the entire body is exposed to pure oxygen (100%) under increased atmospheric pressure (> 1 atmospheres absolute [ATM]). The therapy is conducted in either a monoplace chamber (pure O₂ delivery under pressure) or in a larger multiplace chamber (O₂ delivery under pressure with compressed air where the patient receives pure O₂ by mask, head tent or endotracheal tube).

HBOT has been established as the primary therapy in treating medical disorders such as carbon monoxide poisoning and gas gangrene. The therapy is also considered acceptable in treating acute vascular compromise and as adjuvant therapy in the management of disorders that are refractory to standard medical and surgical care, including acute ischemic injury, crush injuries, acute peripheral arterial insufficiency, compromised skin grafts, osteomyelitis, radiation necrosis of bone or soft tissue and cyanide poisoning.

Related Medical Guideline

[Topical Oxygen Wound Therapy for Medicaid/FHP members](#) (New York State)

Guideline

Members are eligible for coverage of chamber-administered HBOT (including the one-man unit) for any of the following conditions:

1. Acute carbon monoxide intoxication
2. Decompression illness.
3. Air/gas embolism
4. Gas gangrene.
5. Acute traumatic peripheral ischemia.
6. Crush injuries and suturing of severed limbs.
7. Progressive necrotizing infections (necrotizing fasciitis, Meleney's ulcer).
8. Acute peripheral arterial insufficiency.
9. Preparation and preservation of compromised skin grafts and flaps (not primary management of wounds).
10. Chronic refractory osteomyelitis unresponsive to conventional medical and surgical management.
(Prerequisite — assessment of vascular status and correction of any vascular problems in the affected limb if possible; see [Chronic refractory osteomyelitis](#))
11. Osteoradionecrosis, as an adjunct to conventional treatment (including pre- and post-treatment for dental extractions or dental surgery)
12. Soft tissue radionecrosis, as an adjunct to conventional treatment.
13. Cyanide poisoning.
14. Actinomycosis, as an adjunct to conventional treatment.
15. Diabetic wounds of the lower extremities. (Prerequisite — assessment of vascular status including objective vascular testing, and correction of any vascular problems in the affected limb if possible; see [Diabetic wounds of the lower extremities](#))
16. Emergent anemia; see [Emergent anemia](#)
17. Idiopathic sudden sensorineural hearing loss (ISSHL) when HBOT is initiated within 3 months after onset.
18. Intracranial abscess; see [Intracranial Abscess](#)
19. Avascular necrosis (aseptic osteonecrosis)
20. Central retinal artery occlusion
21. Thermal burns, second or third degree

HBOT should not replace successful standard therapeutic measures. Depending upon the response of the member and the severity of the condition, treatment may range from < 1 week to several months. The average duration of HBOT is 2–4 weeks.

Suggested Protocols per Indication (Subject to demonstration of medical necessity; see [Documentation](#))

Actinomycosis

A bacterial infection caused by *Actinomyces israelii*; symptoms include slow growing granulomas that later break down, discharging viscid pus-containing minute yellowish granules. Treatment includes prolonged administration of antibiotics (penicillin and tetracycline); surgical incision and draining of accessible lesions may also be helpful. Only after the disease process has been shown refractory to antibiotics and surgery could HBOT be deemed medically necessary. HBOT must be utilized as an adjunct to conventional therapy.

Acute carbon monoxide poisoning (aka carbon monoxide intoxication)

Acute carbon monoxide poisoning induces hypoxic stress and may result in injury to the cardiac and central nervous systems. HBOT produces a higher rate of dissociation of carbon monoxide from hemoglobin than occurs at sea level pressure. Chamber-pressure should be between 2.5–3.0 ATA. Members with persistent neurological dysfunction may require subsequent treatments within 6–8 hours, continuing once or twice daily until there is no further improvement in cognitive functioning.

Acute traumatic ischemia

Treatment typically consists of three 1.5-hour treatment periods per day for the first 48 hours. An additional two 1.5-hour sessions per day for the next 48 hours may be also required. On days 5 and 6, one 1.5-hour session would typically be offered.

Chronic refractory osteomyelitis

Chronic refractory osteomyelitis persists or recurs following appropriate interventions, which include all of the following:

1. Antibiotic use (treatment course no < 90 days).
2. Abscess drainage.
3. Immobilization of the affected extremity.
4. Surgical débridements with removal of the sequestrum.

HBOT is an adjunctive therapy used with the appropriate antibiotics and surgical debridement to eliminate the dead bone. Antibiotics are chosen on the basis of bone culture and sensitivity studies.

HBOT can elevate the oxygen tensions found in infected bone to normal or above normal levels. This mechanism enhances healing and the body's antimicrobial defenses. It is believed that HBOT augments the efficacy of certain antibiotics (gentamicin, tobramycin and amikacin). Finally, the body's osteoclast function of removing necrotic bone is dependent upon a proper oxygen tension environment, which HBOT can provide.

HBOT is typically delivered daily at a pressure of 2.0–2.5 ATA for 90–120 minutes following major debridement surgery. The number of treatments required varies on an individual basis.

HBOT may be covered for members with chronic refractory osteomyelitis who have been unresponsive to conventional medical and surgical management for three months.

Clostridial myositis and myonecrosis (gas gangrene)

Gas gangrene is an acute, rapidly growing invasive infection of the muscle characterized by profound toxemia, extensive edema, massive death of tissue and variable degree of gas production. The most prevalent toxin is the alpha-toxin, which is hemolytic, tissue-necrotizing and lethal.

The diagnosis of gas gangrene is based on clinical data supported by a positive gram-stained smear or culture obtained from tissue fluids. X-ray radiographs, if obtained, can visualize tissue gas.

Onset can occur one to six hours after injury and presents with severe and sudden pain at the infected area. The skin overlying the wound progresses from shiny and tense, to dusky, then bronze in color. Hemorrhagic vesicles may be noted. A thin, sweet-odored exudate is present. Swelling and edema occur. The noncontractile muscles progress to dark red to black in color. The infection can progress as rapidly as 6 inches per hour.

The goal of HBOT is to stop alpha-toxin production, thereby inhibiting further bacterial growth at which point the body can use its own host defense mechanisms.

HBOT is initiated as soon as the clinical picture presents (supported by a positive gram-stained smear) and is utilized as an adjunct to antibiotic therapy and surgery.

Initial surgery may be limited to opening the wound. Debridement of necrotic tissue can be performed between HBOT sessions when clear demarcation between dead and viable tissue is evident.

Treatment of HBOT typically consists of oxygen administered at 3.0 ATA for 90 minutes 3 times in the first 24 hours. Over the next 4–5 days, twice-daily sessions are usual. The earlier the HBOT-initiation, the better the outcome in terms of life, limb and tissue-sparing.

Compromised skin grafts

HBOT typically starts at 2 treatments per day and is then reduced to 1 per day when the graft appears stable. Treatment for normal, uncompromised skin grafts or flaps is not medically necessary.

Crush injuries and suturing of severed limbs, acute traumatic peripheral ischemia (ATI) and acute peripheral arterial insufficiency associated with arterial embolism and thrombosis

Acute traumatic ischemia is the result of injury by external force or violence compromising circulation to an extremity. The extremity is then at risk for necrosis or amputation. Secondary complications are frequently seen and include infection, non-healing wounds and non-united fractures.

The goal of HBOT is to enhance oxygen at the tissue level to support viability. When tissue oxygen tensions fall below 30mm Hg, the body's ability to respond to infection and wound repair is compromised. With treatment at 2–2.4 ATA, tissue oxygen tension is raised to a level such that the body's responses can become functional again. The benefits of HBOT for this indication are:

1. Increased oxygen delivery per unit of blood flow or enhanced tissue oxygenation.
2. Edema reduction and reduction in infection complication rates, nonunion and amputation.

Treatment typically consists of three 1.5 hour periods daily for the first 48 hours. Additionally, two 1.5 hour sessions daily for the next 48 hours may be required. On days 5 and 6, one 1.5 hour session is typically given. At this point, outcomes of restored perfusion, edema reduction and either demarcation or recovery would be sufficient to guide discontinuing further treatments.

For ATI, crush injuries and suturing of severed limbs, HBOT is a valuable adjunctive treatment in combination with accepted standard therapeutic measures when loss of function, limb or life is threatened. Arterial insufficiency ulcers may be treated by HBOT if they persist after reconstructive surgery has restored large vessel function.

Cyanide poisoning

Cyanide poisoning carries a high risk of mortality. Victims of smoke inhalation frequently suffer from both carbon monoxide and cyanide poisoning.

The traditional antidote for cyanide poisoning is the infusion of sodium nitrite. This treatment can potentially impair the oxygen carrying capacity of hemoglobin. Using HBOT as an adjunct therapy adds the benefit of increased plasma dissolved oxygen; however, its benefit for pulmonary injury related to smoke inhalation remains experimental.

Treatment typically consists of oxygen administration at 2.5–3.0 ATA for up to 120 minutes during the initial session. Most patients with combination cyanide and carbon monoxide poisoning require only one treatment.

Decompression illness

Gas bubbles in tissue or blood, in volumes sufficient enough to interfere with organ function or to cause alteration in sensation resulting from rapid decompression during ascent, presents clinical manifestations ranging from skin eruptions to shock and death.

HBOT with mixed gases is the treatment of choice. The result is immediate reduction in bubble-volume. The treatment prescription is highly variable and case-specific with depths that could range from between 60–165 feet of sea water for durations of 1.5 to > 14 hours. The member may or may not require repeat dives.

Diabetic wounds of the lower extremities

All 3 must be met:

1. Member has type I or type II diabetes with a lower extremity wound secondary to diabetes.
2. Wound classified as ≥ 3 on the [Wagner Scale](#).
3. Failure of adequate course of standard wound therapy, as defined by all of the following:
 - a. Assessment of vascular status and correction of any vascular problems in the affected limb if possible
 - b. Optimization of nutritional status
 - c. Optimization of glucose control
 - d. Debridement by any means to remove devitalized tissue
 - e. Maintenance of clean, moist bed of granulation tissue with appropriate moist dressings
 - f. Appropriate off-loading¹
 - g. Necessary treatment to resolve any infection that might be present

HBOT is indicated as an adjunctive therapy only when standard wound treatment has failed (failure is defined as no measurable signs of healing for at least 30 consecutive days).

Failure of transcutaneous **oxygen** measurements to demonstrate adequate local blood flow with which to effect improvement (within any 30-day treatment period) will result in continued treatments to be considered not medically necessary.

Emergent anemia

One or more of the following:

1. Active hemolysis with rapidly progressive anemia
2. Active massive hemorrhage
3. Severe signs or symptoms unresponsive to volume replacement (eg, Tachycardia, Hypotension, chest pain, cognitive impairment)
4. Patient unable or unwilling to receive red blood cell transfusions

Gas embolism

Gas embolism occurs when gases enter the venous or arterial vasculature embolizing in a large enough volume to compromise organ or body-part function and results in ischemia to the affected areas.

Air emboli may occur as a result of surgical procedures (e.g., cardiovascular surgery, intra-aortic balloons, arthroplasties, or endoscopies), use of monitoring devices (e.g., Swan-Ganz introducer, infusion pumps), in nonsurgical patients (e.g., diving, ruptured lung in respirator-dependent patient, injection of fluids into tissue space) or traumatic injuries (e.g., gunshot wounds, penetrating chest injuries).

¹ For individuals with neuropathic diabetic foot ulcers, total contact casting (or devices where patient removal is detectable) has been shown to heal a higher proportion of wounds in a shorter amount of time than either patient removable cast walkers or half shoes. In practice, patients with patient removable devices were off-loaded for only 22% of steps taken. Failure to adequately off-load the foot exposes the wound to repetitive stress during activity. If, after evaluation at a tertiary care wound center, the patient is not considered a candidate for non-removable devices, then HBOT could be approved.

HBOT, the treatment of choice, is most effective when initiated early and is directed toward reducing the gas-bubble volume and increasing the diffusion gradient of the embolized gas. Treatment modalities range from high pressure to low pressure mixed gas dives.

Gas gangrene

HBOT typically consists of oxygen administration at 3.0 ATM for 90 minutes, three times in the first 24 hours. The frequency is decreased to twice daily over the next 4–5 days.

Intracranial Abscess

One or more of the following:

1. Supporting evidence, suggestions, and alternatives
2. Deep or dominant location
3. Immunocompromised host
4. Multiple abscesses
5. Surgery is contraindicated, or patient is poor surgical candidate.
6. No clinical response or continued deterioration after surgical intervention (1 to 2 needle aspirates) and antibiotic therapy

Osteoradionecrosis and soft tissue radionecrosis

HBOT for osteoradionecrosis and soft tissue radionecrosis is one part of an overall plan of care that also includes debridement or resection of nonviable tissue in conjunction with antibiotic therapy. Soft tissue flap reconstruction and bone grafting may also be indicated.

HBOT can be indicated in the preoperative and postoperative management of existing osteoradionecrosis or soft tissue radionecrosis and may be utilized prophylactically for dental procedures or as an adjunct to conventional therapy.

Patients who suffer from soft tissue damage or bone necrosis present with disabling, progressive, painful tissue breakdown (i.e., wound dehiscence, infection, tissue loss and graft or flap loss). The HBOT goal is to increase oxygen tension in both hypoxic bone and tissue in order to stimulate growth in functioning capillaries, fibroblastic proliferation and collagen synthesis.

Recommended daily treatment consists of 90–120 minutes at 2.0–2.5 ATA with treatment duration highly individualized and variable per case.

Progressive necrotizing infections (necrotizing fasciitis)

Principal treatment consists of surgical debridement and systemic antibiotics. HBOT is recommended as an adjunct only in those settings where mortality and morbidity are expected to be high despite aggressive standard treatment.

Progressive necrotizing fasciitis is a relatively rare infection that is usually a result of a group A streptococcal infection beginning with severe or extensive cellulitis that spreads to involve the superficial and deep fascia, producing thrombosis of the subcutaneous vessels and gangrene of the underlying tissues. A cutaneous lesion often serves as a portal of entry for the infection, but occasionally no such lesion is found.

The histologic hallmark is extensive inflammation and necrosis of the subcutaneous fat, fascia and muscle. Numerous polymorphonuclear leukocytes and mononuclear cells are present in the upper layers of the dermis.

HBOT may be a beneficial adjunct for a subset of patients with anaerobic gram negative necrotizing fasciitis. The recommended protocol is 90 minutes at 2.5 ATA every 8 hrs for the first day and then twice daily for a total or maximum of 10 treatments.

Preparation and preservation of compromised skin grafts

Note: HBOT does not apply to the initial preparation of a body site for a graft, nor is it considered medically necessary for normal, uncompromised skin grafts or flaps.

HBOT may be utilized for graft or flap salvage in cases where hypoxia or decreased perfusion has compromised viability. This indication is not for primary management of wounds. HBOT enhances flap survival.

Treatments are administered at a pressure of 2.0–2.5 ATA from 90–120 minutes; twice-daily is not atypical and is reduced to daily when the graft or flap appears stable. Should a graft or flap fail, HBOT may be used to prepare the already compromised recipient site for a new graft or flap.

Documentation

HBOT should not be a replacement for successful standard therapeutic measures. Treatment may range from < 1 week to several months in duration. The average treatment time frame is 2–4 weeks; however, duration is dependent upon the member's severity of illness and HBOT response. Documentation must clearly indicate the reason(s) why HBOT should continue for > 40 treatment sessions.

Documentation in the medical record should support medical necessity and must be submitted (inclusive of photos) upon request. The following information must be documented, as applicable, to the specific medical condition:

1. Initial assessment and medical history detailing the condition requiring HBOT and a physical exam. The history should list prior treatments including antibiotic therapy and surgical interventions.
2. Current adjunctive treatment that includes treatment-type and its effectiveness.
3. Physician progress notes and any communication between physicians detailing past or proposed treatments.
4. Established HBOT goals.
5. HBOT session records describing physical findings and treatment rendered (including ascent, descent and total compression times, oxygen dose, pressurization level, documentation of attendance and a recording of events).
6. Effect of treatment upon established HBOT goals.
7. Condition-specific information such as the following, as applicable:
 - a. Laboratory tests (positive Gram-stain smear or culture) to confirm gas gangrene diagnosis.
 - b. Radiographic tests to confirm gas gangrene clinical diagnosis.
 - c. Threatened loss of function, limb or life.
 - d. Surgical and pathology reports for treatment of necrotizing fasciitis.
 - e. Definitive radiographic findings or positive bone culture with sensitivity studies to confirm osteomyelitis diagnosis and failed antibiotic therapy and surgical management.
 - f. History of radiation therapy (including date and anatomical site) with documentation of fracture or resorption of bone and radiographic studies, if available, to confirm osteoradionecrosis diagnosis.

- g. History of radiation therapy and clinical photographs of necrotic site in support of HBOT medical necessity for soft tissue radionecrosis.
- h. Presence of type I or type II diabetes with a lower extremity wound secondary to diabetes that is classified as ≥ 3 on the [Wagner scale](#) and which has failed to respond to an adequate course of [standard therapy](#).
- i. For treatment of diabetic wounds of the lower extremities, documentation must also reflect that there have been no measurable signs of healing for at least 30 consecutive days of treatment with standard wound therapy and that HBOT is used in addition to standard wound care with wound evaluation at least every 30 days during HBOT.

Table 1 – Wagner’s Classification

GRADE 0	At-risk foot, preulcerative lesion (callus), healed ulcers, presence of bony deformity or cellulitis.
GRADE 1	Superficial ulcer without subcutaneous tissue involvement.
GRADE 2	Penetration through subcutaneous tissue: may expose bone, tendon, ligament, joint capsule or deep fascia without abscess or osteomyelitis.
GRADE 3	Deep ulcer with abscess, osteomyelitis or joint sepsis.
GRADE 4	Gangrene localized to a portion of the forefoot or heel.
GRADE 5	Gangrene of the whole foot.

Limitations and Exclusions

1. Topical oxygen application is not considered medically necessary, as its efficacy has not been established in the medical literature and it does not fall within the HBOT definition as put forth in the Definition section of this guideline. (See [Topical Oxygen Wound Therapy for Medicaid/FHP members](#))
2. HBOT is contraindicated during pregnancy, except in cases of carbon monoxide poisoning where it is specifically indicated.
3. HBOT is not considered medically necessary for any of the following conditions:
 - Acute cerebral edema
 - Acute or chronic cerebral vascular insufficiency
 - Acute thermal and chemical pulmonary damage, i.e., smoke inhalation with pulmonary insufficiency
 - Aerobic septicemia
 - Alzheimer’s disease
 - Anaerobic septicemia and infection other than clostridial
 - Arthritic diseases
 - Autism disorder
 - Cardiogenic shock
 - Chronic peripheral vascular insufficiency
 - Cutaneous, decubitus and stasis ulcers
 - Hepatic necrosis
 - Korsakoff’s disease
 - Multiple sclerosis
 - Myocardial infarction

- Nonvascular causes of chronic brain syndrome
- Organ storage
- Organ transplantation
- Pick's disease
- Pulmonary emphysema
- Senility
- Sick cell anemia
- Systemic aerobic infection
- Tetanus
- Post-concussive syndrome

Procedure Codes

99183	Physician or other qualified health care professional attendance and supervision of hyperbaric oxygen therapy, per session
G0277	Hyperbaric oxygen under pressure, full body chamber, per 30 minute interval

ICD-10 Diagnoses

A42.0	Pulmonary actinomycosis
A42.1	Abdominal actinomycosis
A42.2	Cervicofacial actinomycosis
A42.81	Actinomycotic meningitis
A42.82	Actinomycotic encephalitis
A42.89	Other forms of actinomycosis
A42.9	Actinomycosis, unspecified
A43.0	Pulmonary nocardiosis
A43.1	Cutaneous nocardiosis
A43.8	Other forms of nocardiosis
A43.9	Nocardiosis, unspecified
A48.0	Gas gangrene
B47.1	Actinomycetoma
B47.9	Mycetoma, unspecified
D50.0	Iron deficiency anemia secondary to blood loss (chronic)
D62	Acute posthemorrhagic anemia
E08.51	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy without gangrene
E08.52	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy with gangrene
E08.59	Diabetes mellitus due to underlying condition with other circulatory complications
E08.621	Diabetes mellitus due to underlying condition with foot ulcer

E08.622	Diabetes mellitus due to underlying condition with other skin ulcer
E08.628	Diabetes mellitus due to underlying condition with other skin complications
E09.51	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy without gangrene
E09.52	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy with gangrene
E09.59	Drug or chemical induced diabetes mellitus with other circulatory complications
E09.621	Drug or chemical induced diabetes mellitus with foot ulcer
E09.622	Drug or chemical induced diabetes mellitus with other skin ulcer
E09.628	Drug or chemical induced diabetes mellitus with other skin complications
E10.51	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene
E10.52	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene
E10.59	Type 1 diabetes mellitus with other circulatory complications
E10.618	Type 1 diabetes mellitus with other diabetic arthropathy
E10.620	Type 1 diabetes mellitus with diabetic dermatitis
E10.621	Type 1 diabetes mellitus with foot ulcer
E10.622	Type 1 diabetes mellitus with other skin ulcer
E10.628	Type 1 diabetes mellitus with other skin complications
E10.65	E10.65 Type 1 diabetes mellitus with hyperglycemia
E10.69	E10.69 Type 1 diabetes mellitus with other specified complication
E11.51	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene
E11.52	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene
E11.59	Type 2 diabetes mellitus with other circulatory complications
E11.618	Type 2 diabetes mellitus with other diabetic arthropathy
E11.620	Type 2 diabetes mellitus with diabetic dermatitis
E11.621	Type 2 diabetes mellitus with foot ulcer
E11.622	Type 2 diabetes mellitus with other skin ulcer
E11.628	Type 2 diabetes mellitus with other skin complications
E11.65	E11.65 Type 2 diabetes mellitus with hyperglycemia
E11.69	E11.69 Type 2 diabetes mellitus with other specified complication
E13.51	Other specified diabetes mellitus with diabetic peripheral angiopathy without gangrene
E13.52	Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene
E13.59	Other specified diabetes mellitus with other circulatory complications
E13.618	Other specified diabetes mellitus with other diabetic arthropathy
E13.620	Other specified diabetes mellitus with diabetic dermatitis -
E13.621	Other specified diabetes mellitus with foot ulcer
E13.622	Other specified diabetes mellitus with other skin ulcer
E13.628	Other specified diabetes mellitus with other skin complications

G06.0	Intracranial abscess and granuloma
G06.1	Intraspinal abscess and granuloma
G06.2	Extradural and subdural abscess, unspecified
H34.10	Central retinal artery occlusion, unspecified eye
H34.11	Central retinal artery occlusion, right eye
H34.12	Central retinal artery occlusion, left eye
H34.13	Central retinal artery occlusion, bilatera
H91.20	Sudden idiopathic hearing loss, unspecified ear
H91.21	Sudden idiopathic hearing loss, right ear
H91.22	Sudden idiopathic hearing loss, left ear
H91.23	Sudden idiopathic hearing loss, bilateral
I70.231	Atherosclerosis of native arteries of right leg with ulceration of thigh
I70.232	Atherosclerosis of native arteries of right leg with ulceration of calf
I70.233	Atherosclerosis of native arteries of right leg with ulceration of ankle
I70.234	Atherosclerosis of native arteries of right leg with ulceration of heel and midfoot
I70.235	Atherosclerosis of native arteries of right leg with ulceration of other part of foot
I70.238	Atherosclerosis of native arteries of right leg with ulceration of other part of lower right leg (Revised 10/01/2019)
I70.239	Atherosclerosis of native arteries of right leg with ulceration of unspecified site
I70.241	Atherosclerosis of native arteries of left leg with ulceration of thigh
I70.242	Atherosclerosis of native arteries of left leg with ulceration of calf
I70.243	Atherosclerosis of native arteries of left leg with ulceration of ankle
I70.244	Atherosclerosis of native arteries of left leg with ulceration of heel and midfoot
I70.245	Atherosclerosis of native arteries of left leg with ulceration of other part of foot
I70.248	Atherosclerosis of native arteries of left leg with ulceration of other part of lower left leg (Revised 10/01/2019)
I70.249	Atherosclerosis of native arteries of left leg with ulceration of unspecified site
I70.25	Atherosclerosis of native arteries of other extremities with ulceration
I70.331	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of thigh
I70.333	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of ankle
I70.334	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of heel and midfoot
I70.335	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of other part of foot
I70.338	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of other part of lower leg
I70.339	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of unspecified site
I70.341	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of thigh
I70.343	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of ankle
I70.344	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of heel and midfoot

I70.345	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of other part of foot
I70.348	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of other part of lower leg
I70.349	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of unspecified site
I70.431	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of thigh
I70.433	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of ankle
I70.434	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of heel and midfoot
I70.435	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of other part of foot
I70.438	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of other part of lower leg
I70.439	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of unspecified site
I70.441	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of thigh
I70.443	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of ankle
I70.444	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of heel and midfoot
I70.445	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other part of foot
I70.448	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other part of lower leg
I70.449	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of unspecified site
I70.531	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of thigh
I70.533	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of ankle
I70.534	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of heel and midfoot
I70.535	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of foot
I70.538	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of lower leg
I70.539	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of unspecified site
I70.541	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of thigh
I70.543	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of ankle
I70.544	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of heel and midfoot
I70.545	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of foot
I70.548	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of lower leg
I70.549	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of unspecified site
I70.631	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of thigh
I70.633	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of ankle
I70.634	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of heel and midfoot
I70.635	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of foot
I70.638	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of lower leg
I70.639	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of unspecified site
I70.641	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of thigh

I70.643	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of ankle
I70.644	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of heel and midfoot
I70.645	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of foot
I70.648	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of lower leg
I70.649	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of unspecified site
I70.731	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of thigh
I70.733	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of ankle
I70.734	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of heel and midfoot
I70.735	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of foot
I70.738	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of lower leg
I70.739	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of unspecified site
I70.741	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of thigh
I70.743	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of ankle
I70.744	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of heel and midfoot
I70.745	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of other part of foot
I70.748	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of other part of lower leg
I70.749	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of unspecified site
I74.2	Embolism and thrombosis of arteries of the upper extremities
I74.3	Embolism and thrombosis of arteries of the lower extremities
I74.5	Embolism and thrombosis of iliac artery
L08.1	Erythrasma
L59.8	Other specified disorders of the skin and subcutaneous tissue related to radiation
L97.115	Non-pressure chronic ulcer of right thigh with muscle involvement without evidence of necrosis
L97.116	Non-pressure chronic ulcer of right thigh with bone involvement without evidence of necrosis
L97.118	Non-pressure chronic ulcer of right thigh with other specified severity
L97.125	Non-pressure chronic ulcer of left thigh with muscle involvement without evidence of necrosis
L97.126	Non-pressure chronic ulcer of left thigh with bone involvement without evidence of necrosis
L97.128	Non-pressure chronic ulcer of left thigh with other specified severity
L97.215	Non-pressure chronic ulcer of right calf with muscle involvement without evidence of necrosis
L97.216	Non-pressure chronic ulcer of right calf with bone involvement without evidence of necrosis
L97.218	Non-pressure chronic ulcer of right calf with other specified severity
L97.225	Non-pressure chronic ulcer of left calf with muscle involvement without evidence of necrosis
L97.226	Non-pressure chronic ulcer of left calf with bone involvement without evidence of necrosis
L97.228	Non-pressure chronic ulcer of left calf with other specified severity
L97.315	Non-pressure chronic ulcer of right ankle with muscle involvement without evidence of necrosis
L97.316	Non-pressure chronic ulcer of right ankle with bone involvement without evidence of necrosis

L97.318	Non-pressure chronic ulcer of right ankle with other specified severity
L97.325	Non-pressure chronic ulcer of left ankle with muscle involvement without evidence of necrosis
L97.326	Non-pressure chronic ulcer of left ankle with bone involvement without evidence of necrosis
L97.328	Non-pressure chronic ulcer of left ankle with other specified severity
L97.415	Non-pressure chronic ulcer of right heel and midfoot with muscle involvement without evidence of necrosis
L97.416	Non-pressure chronic ulcer of right heel and midfoot with bone involvement without evidence of necrosis
L97.418	Non-pressure chronic ulcer of right heel and midfoot with other specified severity
L97.425	Non-pressure chronic ulcer of left heel and midfoot with muscle involvement without evidence of necrosis
L97.426	Non-pressure chronic ulcer of left heel and midfoot with bone involvement without evidence of necrosis
L97.428	Non-pressure chronic ulcer of left heel and midfoot with other specified severity
L97.515	Non-pressure chronic ulcer of other part of right foot with muscle involvement without evidence of necrosis
L97.516	Non-pressure chronic ulcer of other part of right foot with bone involvement without evidence of necrosis
L97.518	Non-pressure chronic ulcer of other part of right foot with other specified severity
L97.525	Non-pressure chronic ulcer of other part of left foot with muscle involvement without evidence of necrosis
L97.526	Non-pressure chronic ulcer of other part of left foot with bone involvement without evidence of necrosis
L97.528	Non-pressure chronic ulcer of other part of left foot with other specified severity
L97.815	Non-pressure chronic ulcer of other part of right lower leg with muscle involvement without evidence of necrosis
L97.816	Non-pressure chronic ulcer of other part of right lower leg with bone involvement without evidence of necrosis
L97.818	Non-pressure chronic ulcer of other part of right lower leg with other specified severity
L97.825	Non-pressure chronic ulcer of other part of left lower leg with muscle involvement without evidence of necrosis
L97.826	Non-pressure chronic ulcer of other part of left lower leg with bone involvement without evidence of necrosis
L97.828	Non-pressure chronic ulcer of other part of left lower leg with other specified severity
M27.2	Inflammatory conditions of jaws
M27.8	Other specified diseases of jaws
M72.6	Necrotizing fasciitis
M86.30	Chronic multifocal osteomyelitis, unspecified site
M86.311	Chronic multifocal osteomyelitis, right shoulder
M86.312	Chronic multifocal osteomyelitis, left shoulder
M86.319	Chronic multifocal osteomyelitis, unspecified shoulder
M86.321	Chronic multifocal osteomyelitis, right humerus
M86.322	Chronic multifocal osteomyelitis, left humerus
M86.329	Chronic multifocal osteomyelitis, unspecified humerus
M86.331	Chronic multifocal osteomyelitis, right radius and ulna
M86.332	Chronic multifocal osteomyelitis, left radius and ulna
M86.339	Chronic multifocal osteomyelitis, unspecified radius and ulna

M86.341	Chronic multifocal osteomyelitis, right hand
M86.342	Chronic multifocal osteomyelitis, left hand
M86.349	Chronic multifocal osteomyelitis, unspecified hand
M86.351	Chronic multifocal osteomyelitis, right femur
M86.352	Chronic multifocal osteomyelitis, left femur
M86.359	Chronic multifocal osteomyelitis, unspecified femur
M86.361	Chronic multifocal osteomyelitis, right tibia and fibula
M86.362	Chronic multifocal osteomyelitis, left tibia and fibula
M86.369	Chronic multifocal osteomyelitis, unspecified tibia and fibula
M86.371	Chronic multifocal osteomyelitis, right ankle and foot
M86.372	Chronic multifocal osteomyelitis, left ankle and foot
M86.379	Chronic multifocal osteomyelitis, unspecified ankle and foot
M86.38	Chronic multifocal osteomyelitis, other site
M86.39	Chronic multifocal osteomyelitis, multiple sites
M86.40	Chronic osteomyelitis with draining sinus, unspecified site
M86.411	Chronic osteomyelitis with draining sinus, right shoulder
M86.412	Chronic osteomyelitis with draining sinus, left shoulder
M86.419	Chronic osteomyelitis with draining sinus, unspecified shoulder
M86.421	Chronic osteomyelitis with draining sinus, right humerus
M86.422	Chronic osteomyelitis with draining sinus, left humerus
M86.429	Chronic osteomyelitis with draining sinus, unspecified humerus
M86.431	Chronic osteomyelitis with draining sinus, right radius and ulna
M86.432	Chronic osteomyelitis with draining sinus, left radius and ulna
M86.439	Chronic osteomyelitis with draining sinus, unspecified radius and ulna
M86.441	Chronic osteomyelitis with draining sinus, right hand
M86.442	Chronic osteomyelitis with draining sinus, left hand
M86.449	Chronic osteomyelitis with draining sinus, unspecified hand
M86.451	Chronic osteomyelitis with draining sinus, right femur
M86.452	Chronic osteomyelitis with draining sinus, left femur
M86.459	Chronic osteomyelitis with draining sinus, unspecified femur
M86.461	Chronic osteomyelitis with draining sinus, right tibia and fibula
M86.462	Chronic osteomyelitis with draining sinus, left tibia and fibula
M86.469	Chronic osteomyelitis with draining sinus, unspecified tibia and fibula
M86.471	Chronic osteomyelitis with draining sinus, right ankle and foot
M86.472	Chronic osteomyelitis with draining sinus, left ankle and foot
M86.479	Chronic osteomyelitis with draining sinus, unspecified ankle and foot

M86.48	Chronic osteomyelitis with draining sinus, other site
M86.49	Chronic osteomyelitis with draining sinus, multiple sites
M86.50	Other chronic hematogenous osteomyelitis, unspecified site
M86.511	Other chronic hematogenous osteomyelitis, right shoulder
M86.512	Other chronic hematogenous osteomyelitis, left shoulder
M86.519	Other chronic hematogenous osteomyelitis, unspecified shoulder
M86.521	Other chronic hematogenous osteomyelitis, right humerus
M86.522	Other chronic hematogenous osteomyelitis, left humerus
M86.529	Other chronic hematogenous osteomyelitis, unspecified humerus
M86.531	Other chronic hematogenous osteomyelitis, right radius and ulna
M86.532	Other chronic hematogenous osteomyelitis, left radius and ulna
M86.539	Other chronic hematogenous osteomyelitis, unspecified radius and ulna
M86.541	Other chronic hematogenous osteomyelitis, right hand
M86.542	Other chronic hematogenous osteomyelitis, left hand
M86.549	Other chronic hematogenous osteomyelitis, unspecified hand
M86.551	Other chronic hematogenous osteomyelitis, right femur
M86.552	Other chronic hematogenous osteomyelitis, left femur
M86.559	Other chronic hematogenous osteomyelitis, unspecified femur
M86.561	Other chronic hematogenous osteomyelitis, right tibia and fibula
M86.562	Other chronic hematogenous osteomyelitis, left tibia and fibula
M86.569	Other chronic hematogenous osteomyelitis, unspecified tibia and fibula
M86.571	Other chronic hematogenous osteomyelitis, right ankle and foot
M86.572	Other chronic hematogenous osteomyelitis, left ankle and foot
M86.579	Other chronic hematogenous osteomyelitis, unspecified ankle and foot
M86.58	Other chronic hematogenous osteomyelitis, other site
M86.59	Other chronic hematogenous osteomyelitis, multiple sites
M86.60	Other chronic osteomyelitis, unspecified site
M86.611	Other chronic osteomyelitis, right shoulder
M86.612	Other chronic osteomyelitis, left shoulder
M86.619	Other chronic osteomyelitis, unspecified shoulder
M86.621	Other chronic osteomyelitis, right humerus
M86.622	Other chronic osteomyelitis, left humerus
M86.629	Other chronic osteomyelitis, unspecified humerus
M86.631	Other chronic osteomyelitis, right radius and ulna
M86.632	Other chronic osteomyelitis, left radius and ulna
M86.639	Other chronic osteomyelitis, unspecified radius and ulna

M86.641	Other chronic osteomyelitis, right hand
M86.642	Other chronic osteomyelitis, left hand
M86.649	Other chronic osteomyelitis, unspecified hand
M86.651	Other chronic osteomyelitis, right thigh
M86.652	Other chronic osteomyelitis, left thigh
M86.659	Other chronic osteomyelitis, unspecified thigh
M86.661	Other chronic osteomyelitis, right tibia and fibula
M86.662	Other chronic osteomyelitis, left tibia and fibula
M86.669	Other chronic osteomyelitis, unspecified tibia and fibula
M86.671	Other chronic osteomyelitis, right ankle and foot
M86.672	Other chronic osteomyelitis, left ankle and foot
M86.679	Other chronic osteomyelitis, unspecified ankle and foot
M86.68	Other chronic osteomyelitis, other site
M86.69	Other chronic osteomyelitis, multiple sites
M86.8X0	Other osteomyelitis, multiple sites
M86.8X1	Other osteomyelitis, shoulder
M86.8X2	Other osteomyelitis, upper arm
M86.8X3	Other osteomyelitis, forearm
M86.8X4	Other osteomyelitis, hand
M86.8X5	Other osteomyelitis, thigh
M86.8X6	Other osteomyelitis, lower leg
M86.8X7	Other osteomyelitis, ankle and foot
M86.8X8	Other osteomyelitis, other site
M86.8X9	Other osteomyelitis, unspecified sites
M87.00	Idiopathic aseptic necrosis of unspecified bone
M87.011	Idiopathic aseptic necrosis of right shoulder
M87.012	Idiopathic aseptic necrosis of left shoulder
M87.019	Idiopathic aseptic necrosis of unspecified shoulder
M87.021	Idiopathic aseptic necrosis of right humerus
M87.022	Idiopathic aseptic necrosis of left humerus
M87.029	Idiopathic aseptic necrosis of unspecified humerus
M87.031	Idiopathic aseptic necrosis of right radius
M87.032	Idiopathic aseptic necrosis of left radius
M87.033	Idiopathic aseptic necrosis of unspecified radius
M87.034	Idiopathic aseptic necrosis of right ulna
M87.035	Idiopathic aseptic necrosis of left ulna

M87.036	Idiopathic aseptic necrosis of unspecified ulna
M87.037	Idiopathic aseptic necrosis of right carpus
M87.038	Idiopathic aseptic necrosis of left carpus
M87.039	Idiopathic aseptic necrosis of unspecified carpus
M87.041	Idiopathic aseptic necrosis of right hand
M87.042	Idiopathic aseptic necrosis of left hand
M87.043	Idiopathic aseptic necrosis of unspecified hand
M87.044	Idiopathic aseptic necrosis of right finger(s)
M87.045	Idiopathic aseptic necrosis of left finger(s)
M87.046	Idiopathic aseptic necrosis of unspecified finger(s)
M87.050	Idiopathic aseptic necrosis of pelvis
M87.051	Idiopathic aseptic necrosis of right femur
M87.052	Idiopathic aseptic necrosis of left femur
M87.059	Idiopathic aseptic necrosis of unspecified femur
M87.061	Idiopathic aseptic necrosis of right tibia
M87.062	Idiopathic aseptic necrosis of left tibia
M87.063	Idiopathic aseptic necrosis of unspecified tibia
M87.064	Idiopathic aseptic necrosis of right fibula
M87.065	Idiopathic aseptic necrosis of left fibula
M87.066	Idiopathic aseptic necrosis of unspecified fibula
M87.071	Idiopathic aseptic necrosis of right ankle
M87.072	Idiopathic aseptic necrosis of left ankle
M87.073	Idiopathic aseptic necrosis of unspecified ankle
M87.074	Idiopathic aseptic necrosis of right foot
M87.075	Idiopathic aseptic necrosis of left foot
M87.076	Idiopathic aseptic necrosis of unspecified foot
M87.077	Idiopathic aseptic necrosis of right toe(s)
M87.078	Idiopathic aseptic necrosis of left toe(s)
M87.079	Idiopathic aseptic necrosis of unspecified toe(s)
M87.08	Idiopathic aseptic necrosis of bone, other site
M87.09	Idiopathic aseptic necrosis of bone, multiple sites
M87.9	Osteonecrosis, unspecified
N30.40	Irradiation cystitis without hematuria
N30.41	Irradiation cystitis with hematuria
S35.511A	Injury of right iliac artery, initial encounter
S35.512A	Injury of left iliac artery, initial encounter

S45.011A	Laceration of axillary artery, right side, initial encounter
S45.012A	Laceration of axillary artery, left side, initial encounter
S45.091A	Other specified injury of axillary artery, right side, initial encounter
S45.092A	Other specified injury of axillary artery, left side, initial encounter
S45.111A	Laceration of brachial artery, right side, initial encounter
S45.112A	Laceration of brachial artery, left side, initial encounter
S45.191A	Other specified injury of brachial artery, right side, initial encounter
S45.192A	Other specified injury of brachial artery, left side, initial encounter
S45.211A	Laceration of axillary or brachial vein, right side, initial encounter
S45.212A	Laceration of axillary or brachial vein, left side, initial encounter
S45.291A	Other specified injury of axillary or brachial vein, right side, initial encounter
S45.292A	Other specified injury of axillary or brachial vein, left side, initial encounter
S47.1xxA	Crushing injury of right shoulder and upper arm, initial encounter
S47.2xxA	Crushing injury of left shoulder and upper arm, initial encounter
S47.9xxA	Crushing injury of shoulder and upper arm, unspecified arm, initial encounter
S57.00xA	Crushing injury of unspecified elbow, initial encounter
S57.01xA	Crushing injury of right elbow, initial encounter
S57.02xA	Crushing injury of left elbow, initial encounter
S57.80xA	Crushing injury of unspecified forearm, initial encounter
S57.81xA	Crushing injury of right forearm, initial encounter
S57.82xA	Crushing injury of left forearm, initial encounter
S67.01XA	Crushing injury of right thumb, initial encounter
S67.02XA	Crushing injury of left thumb, initial encounter
S67.190A	Crushing injury of right index finger, initial encounter
S67.191A	Crushing injury of left index finger, initial encounter
S67.192A	Crushing injury of right middle finger, initial encounter
S67.193A	Crushing injury of left middle finger, initial encounter
S67.194A	Crushing injury of right ring finger, initial encounter
S67.195A	Crushing injury of left ring finger, initial encounter
S67.196A	Crushing injury of right little finger, initial encounter
S67.197A	Crushing injury of left little finger, initial encounter
S67.20xA	Crushing injury of unspecified hand, initial encounter
S67.21xA	Crushing injury of right hand, initial encounter
S67.22xA	Crushing injury of left hand, initial encounter
S67.30xA	Crushing injury of unspecified wrist, initial encounter
S67.31xA	Crushing injury of right wrist, initial encounter

S67.32xA	Crushing injury of left wrist, initial encounter
S67.40xA	Crushing injury of unspecified wrist and hand, initial encounter
S67.41xA	Crushing injury of right wrist and hand, initial encounter
S67.42xA	Crushing injury of left wrist and hand, initial encounter
S67.90xA	Crushing injury of unspecified part(s) of unspecified wrist, hand and fingers, initial encounter
S67.91xA	Crushing injury of unspecified part(s) of right wrist, hand and fingers, initial encounter
S67.92xA	Crushing injury of unspecified part(s) of left wrist, hand and fingers, initial encounter
S75.011A	Minor laceration of femoral artery, right leg, initial encounter
S75.012A	Minor laceration of femoral artery, left leg, initial encounter
S75.021A	Major laceration of femoral artery, right leg, initial encounter
S75.022A	Major laceration of femoral artery, left leg, initial encounter
S75.091A	Other specified injury of femoral artery, right leg, initial encounter
S75.092A	Other specified injury of femoral artery, left leg, initial encounter
S77.00xA	Crushing injury of unspecified hip, initial encounter
S77.01xA	Crushing injury of right hip, initial encounter
S77.02xA	Crushing injury of left hip, initial encounter
S77.10xA	Crushing injury of unspecified thigh, initial encounter
S77.11xA	Crushing injury of right thigh, initial encounter
S77.12xA	Crushing injury of left thigh, initial encounter
S77.20xA	Crushing injury of unspecified hip with thigh, initial encounter
S77.21xA	Crushing injury of right hip with thigh, initial encounter
S77.22xA	Crushing injury of left hip with thigh, initial encounter
S85.011A	Laceration of popliteal artery, right leg, initial encounter
S85.012A	Laceration of popliteal artery, left leg, initial encounter
S85.091A	Other specified injury of popliteal artery, right leg, initial encounter
S85.092A	Other specified injury of popliteal artery, left leg, initial encounter
S87.00xA	Crushing injury of unspecified knee, initial encounter
S87.01xA	Crushing injury of right knee, initial encounter
S87.02xA	Crushing injury of left knee, initial encounter
S87.80xA	Crushing injury of unspecified lower leg, initial encounter
S87.81xA	Crushing injury of right lower leg, initial encounter
S87.82xA	Crushing injury of left lower leg, initial encounter
S97.00xA	Crushing injury of unspecified ankle, initial encounter
S97.01xA	Crushing injury of right ankle, initial encounter
S97.02xA	Crushing injury of left ankle, initial encounter
S97.101A	Crushing injury of unspecified right toe(s), initial encounter

S97.102A	Crushing injury of unspecified left toe(s), initial encounter
S97.109A	Crushing injury of unspecified toe(s), initial encounter
S97.111A	Crushing injury of right great toe, initial encounter
S97.112A	Crushing injury of left great toe, initial encounter
S97.119A	Crushing injury of unspecified great toe, initial encounter
S97.121A	Crushing injury of right lesser toe(s), initial encounter
S97.122A	Crushing injury of left lesser toe(s), initial encounter
S97.129A	Crushing injury of unspecified lesser toe(s), initial encounter
S97.80xA	Crushing injury of unspecified foot, initial encounter
S97.81xA	Crushing injury of right foot, initial encounter
S97.82xA	Crushing injury of left foot, initial encounter
T20.20XA	Burn of second degree of head, face, and neck, unspecified site, initial encounter
T20.20XD	Burn of second degree of head, face, and neck, unspecified site, subsequent encounter
T20.20XS	Burn of second degree of head, face, and neck, unspecified site, sequela
T20.20XS	Burn of second degree of head, face, and neck, unspecified site, sequela
T20.211A	Burn of second degree of right ear [any part, except ear drum], initial encounter
T20.211D	Burn of second degree of right ear [any part, except ear drum], subsequent encounter
T20.211S	Burn of second degree of right ear [any part, except ear drum], sequela
T20.212A	Burn of second degree of left ear [any part, except ear drum], initial encounter
T20.212D	Burn of second degree of left ear [any part, except ear drum], subsequent encounter
T20.212S	Burn of second degree of left ear [any part, except ear drum], sequela
T20.219A	Burn of second degree of unspecified ear [any part, except ear drum], initial encounter
T20.219D	Burn of second degree of unspecified ear [any part, except ear drum], subsequent encounter
T20.219S	Burn of second degree of unspecified ear [any part, except ear drum], sequela
T20.22XA	Burn of second degree of lip(s), initial encounter
T20.22XD	Burn of second degree of lip(s), subsequent encounter
T20.22XS	Burn of second degree of lip(s), sequela
T20.23XA	Burn of second degree of chin, initial encounter
T20.23XD	Burn of second degree of chin, subsequent encounter
T20.23XS	Burn of second degree of chin, sequela
T20.24XA	Burn of second degree of nose (septum), initial encounter
T20.24XD	Burn of second degree of nose (septum), subsequent encounter
T20.24XS	Burn of second degree of nose (septum), sequela
T20.25XA	Burn of second degree of scalp [any part], initial encounter
T20.25XD	Burn of second degree of scalp [any part], subsequent encounter
T20.25XS	Burn of second degree of scalp [any part], sequela

T20.26XA	Burn of second degree of forehead and cheek, initial encounter
T20.26XD	Burn of second degree of forehead and cheek, subsequent encounter
T20.26XS	Burn of second degree of forehead and cheek, sequela
T20.27XA	Burn of second degree of neck, initial encounter
T20.27XD	Burn of second degree of neck, subsequent encounter
T20.27XS	Burn of second degree of neck, sequela
T20.29XA	Burn of second degree of multiple sites of head, face, and neck, initial encounter
T20.29XD	Burn of second degree of multiple sites of head, face, and neck, subsequent encounter
T20.29XS	Burn of second degree of multiple sites of head, face, and neck, sequela
T20.30XA	Burn of third degree of head, face, and neck, unspecified site, initial encounter
T20.30XD	Burn of third degree of head, face, and neck, unspecified site, subsequent encounter
T20.30XS	Burn of third degree of head, face, and neck, unspecified site, sequela
T20.311A	Burn of third degree of right ear [any part, except ear drum], initial encounter
T20.311D	Burn of third degree of right ear [any part, except ear drum], subsequent encounter
T20.311S	Burn of third degree of right ear [any part, except ear drum], sequela
T20.312A	Burn of third degree of left ear [any part, except ear drum], initial encounter
T20.312D	Burn of third degree of left ear [any part, except ear drum], subsequent encounter
T20.312S	Burn of third degree of left ear [any part, except ear drum], sequela
T20.319A	Burn of third degree of unspecified ear [any part, except ear drum], initial encounter
T20.319D	Burn of third degree of unspecified ear [any part, except ear drum], subsequent encounter
T20.319S	Burn of third degree of unspecified ear [any part, except ear drum], sequela
T20.32XA	Burn of third degree of lip(s), initial encounter
T20.32XD	Burn of third degree of lip(s), subsequent encounter
T20.32XS	Burn of third degree of lip(s), sequela
T20.33XA	Burn of third degree of chin, initial encounter
T20.33XD	Burn of third degree of chin, subsequent encounter
T20.33XS	Burn of third degree of chin, sequela
T20.34XA	Burn of third degree of nose (septum), initial encounter
T20.34XD	Burn of third degree of nose (septum), subsequent encounter
T20.34XS	Burn of third degree of nose (septum), sequela
T20.35XA	Burn of third degree of scalp [any part], initial encounter
T20.35XD	Burn of third degree of scalp [any part], subsequent encounter
T20.35XS	Burn of third degree of scalp [any part], sequela
T20.36XA	Burn of third degree of forehead and cheek, initial encounter
T20.36XD	Burn of third degree of forehead and cheek, subsequent encounter
T20.36XS	Burn of third degree of forehead and cheek, sequela

T20.37XA	Burn of third degree of neck, initial encounter
T20.37XD	Burn of third degree of neck, subsequent encounter
T20.37XS	Burn of third degree of neck, sequela
T20.39XA	Burn of third degree of multiple sites of head, face, and neck, initial encounter
T20.39XD	Burn of third degree of multiple sites of head, face, and neck, subsequent encounter
T20.39XS	Burn of third degree of multiple sites of head, face, and neck, sequela
T21.20XA	Burn of second degree of trunk, unspecified site, initial encounter
T21.20XD	Burn of second degree of trunk, unspecified site, subsequent encounter
T21.20XS	Burn of second degree of trunk, unspecified site, sequela
T21.21XA	Burn of second degree of chest wall, initial encounter
T21.21XD	Burn of second degree of chest wall, subsequent encounter
T21.21XS	Burn of second degree of chest wall, sequela
T21.22XA	Burn of second degree of abdominal wall, initial encounter
T21.22XD	Burn of second degree of abdominal wall, subsequent encounter
T21.22XS	Burn of second degree of abdominal wall, sequela
T21.23XA	Burn of second degree of upper back, initial encounter
T21.23XD	Burn of second degree of upper back, subsequent encounter
T21.23XS	Burn of second degree of upper back, sequela
T21.24XA	Burn of second degree of lower back, initial encounter
T21.24XD	Burn of second degree of lower back, subsequent encounter
T21.24XS	Burn of second degree of lower back, sequela
T21.25XA	Burn of second degree of buttock, initial encounter
T21.25XD	Burn of second degree of buttock, subsequent encounter
T21.25XS	Burn of second degree of buttock, sequela
T21.26XA	Burn of second degree of male genital region, initial encounter
T21.26XD	Burn of second degree of male genital region, subsequent encounter
T21.26XS	Burn of second degree of male genital region, sequela
T21.27XA	Burn of second degree of female genital region, initial encounter
T21.27XD	Burn of second degree of female genital region, subsequent encounter
T21.27XS	Burn of second degree of female genital region, sequela
T21.29XA	Burn of second degree of other site of trunk, initial encounter
T21.29XD	Burn of second degree of other site of trunk, subsequent encounter
T21.29XS	Burn of second degree of other site of trunk, sequela
T21.30XA	Burn of third degree of trunk, unspecified site, initial encounter
T21.30XD	Burn of third degree of trunk, unspecified site, subsequent encounter
T21.30XS	Burn of third degree of trunk, unspecified site, sequela

T21.31XA	Burn of third degree of chest wall, initial encounter
T21.31XD	Burn of third degree of chest wall, subsequent encounter
T21.31XS	Burn of third degree of chest wall, sequela
T21.32XA	Burn of third degree of abdominal wall, initial encounter
T21.32XD	Burn of third degree of abdominal wall, subsequent encounter
T21.32XS	Burn of third degree of abdominal wall, sequela
T21.33XA	Burn of third degree of upper back, initial encounter
T21.33XD	Burn of third degree of upper back, subsequent encounter
T21.33XS	Burn of third degree of upper back, sequela
T21.34XA	Burn of third degree of lower back, initial encounter
T21.34XD	Burn of third degree of lower back, subsequent encounter
T21.34XS	Burn of third degree of lower back, sequela
T21.35XA	Burn of third degree of buttock, initial encounter
T21.35XD	Burn of third degree of buttock, subsequent encounter
T21.35XS	Burn of third degree of buttock, sequela
T21.36XA	Burn of third degree of male genital region, initial encounter
T21.36XD	Burn of third degree of male genital region, subsequent encounter
T21.36XS	Burn of third degree of male genital region, sequela
T21.37XA	Burn of third degree of female genital region, initial encounter
T21.37XD	Burn of third degree of female genital region, subsequent encounter
T21.37XS	Burn of third degree of female genital region, sequela
T21.39XA	Burn of third degree of other site of trunk, initial encounter
T21.39XD	Burn of third degree of other site of trunk, subsequent encounter
T21.39XS	Burn of third degree of other site of trunk, sequela
T22.20XA	Burn of second degree of shoulder and upper limb, except wrist and hand, unspecified site, initial
T22.20XD	Burn of second degree of shoulder and upper limb, except wrist and hand, unspecified site,
T22.20XS	Burn of second degree of shoulder and upper limb, except wrist and hand, unspecified site, sequela
T22.211A	Burn of second degree of right forearm, initial encounter
T22.211D	Burn of second degree of right forearm, subsequent encounter
T22.211S	Burn of second degree of right forearm, sequela
T22.212A	Burn of second degree of left forearm, initial encounter
T22.212D	Burn of second degree of left forearm, subsequent encounter
T22.212S	Burn of second degree of left forearm, sequela
T22.219A	Burn of second degree of unspecified forearm, initial encounter
T22.219D	Burn of second degree of unspecified forearm, subsequent encounter
T22.219S	Burn of second degree of unspecified forearm, sequela

T22.221A	Burn of second degree of right elbow, initial encounter
T22.221D	Burn of second degree of right elbow, subsequent encounter
T22.221S	Burn of second degree of right elbow, sequela
T22.222A	Burn of second degree of left elbow, initial encounter
T22.222D	Burn of second degree of left elbow, subsequent encounter
T22.222S	Burn of second degree of left elbow, sequela
T22.229A	Burn of second degree of unspecified elbow, initial encounter
T22.229D	Burn of second degree of unspecified elbow, subsequent encounter
T22.229S	Burn of second degree of unspecified elbow, sequela
T22.231A	Burn of second degree of right upper arm, initial encounter
T22.231D	Burn of second degree of right upper arm, subsequent encounter
T22.231S	Burn of second degree of right upper arm, sequela
T22.232A	Burn of second degree of left upper arm, initial encounter
T22.232D	Burn of second degree of left upper arm, subsequent encounter
T22.232S	Burn of second degree of left upper arm, sequela
T22.239A	Burn of second degree of unspecified upper arm, initial encounter
T22.239D	Burn of second degree of unspecified upper arm, subsequent encounter
T22.239S	Burn of second degree of unspecified upper arm, sequela
T22.241A	Burn of second degree of right axilla, initial encounter
T22.241D	Burn of second degree of right axilla, subsequent encounter
T22.241S	Burn of second degree of right axilla, sequela
T22.242A	Burn of second degree of left axilla, initial encounter
T22.242D	Burn of second degree of left axilla, subsequent encounter
T22.242S	Burn of second degree of left axilla, sequela
T22.249A	Burn of second degree of unspecified axilla, initial encounter
T22.249D	Burn of second degree of unspecified axilla, subsequent encounter
T22.249S	Burn of second degree of unspecified axilla, sequela
T22.251A	Burn of second degree of right shoulder, initial encounter
T22.251D	Burn of second degree of right shoulder, subsequent encounter
T22.251S	Burn of second degree of right shoulder, sequela
T22.252A	Burn of second degree of left shoulder, initial encounter
T22.252D	Burn of second degree of left shoulder, subsequent encounter
T22.252S	Burn of second degree of left shoulder, sequela
T22.259A	Burn of second degree of unspecified shoulder, initial encounter
T22.259D	Burn of second degree of unspecified shoulder, subsequent encounter
T22.259S	Burn of second degree of unspecified shoulder, sequela

T22.261A	Burn of second degree of right scapular region, initial encounter
T22.261D	Burn of second degree of right scapular region, subsequent encounter
T22.261S	Burn of second degree of right scapular region, sequela
T22.262A	Burn of second degree of left scapular region, initial encounter
T22.262D	Burn of second degree of left scapular region, subsequent encounter
T22.262S	Burn of second degree of left scapular region, sequela
T22.269A	Burn of second degree of unspecified scapular region, initial encounter
T22.269D	Burn of second degree of unspecified scapular region, subsequent encounter
T22.269S	Burn of second degree of unspecified scapular region, sequela
T22.291A	Burn of second degree of multiple sites of right shoulder and upper limb, except wrist and hand,
T22.291S	Burn of second degree of multiple sites of right shoulder and upper limb, except wrist and hand,
T22.292A	Burn of second degree of multiple sites of left shoulder and upper limb, except wrist and hand, initial
T22.292D	Burn of second degree of multiple sites of left shoulder and upper limb, except wrist and hand,
T22.292S	Burn of second degree of multiple sites of left shoulder and upper limb, except wrist and hand,
T22.299A	Burn of second degree of multiple sites of unspecified shoulder and upper limb, except wrist and
T22.299D	Burn of second degree of multiple sites of unspecified shoulder and upper limb, except wrist and hand, subsequent encounter
T22.299S	Burn of second degree of multiple sites of unspecified shoulder and upper limb, except wrist and hand, sequela
T22.30XA	Burn of third degree of shoulder and upper limb, except wrist and hand, unspecified site, initial
T22.30XD	Burn of third degree of shoulder and upper limb, except wrist and hand, unspecified site,
T22.30XS	Burn of third degree of shoulder and upper limb, except wrist and hand, unspecified site, sequela
T22.311A	Burn of third degree of right forearm, initial encounter
T22.311D	Burn of third degree of right forearm, subsequent encounter
T22.311S	Burn of third degree of right forearm, sequela
T22.312A	Burn of third degree of left forearm, initial encounter
T22.312D	Burn of third degree of left forearm, subsequent encounter
T22.312S	Burn of third degree of left forearm, sequela
T22.319A	Burn of third degree of unspecified forearm, initial encounter
T22.319D	Burn of third degree of unspecified forearm, subsequent encounter
T22.319S	Burn of third degree of unspecified forearm, sequela
T22.321A	Burn of third degree of right elbow, initial encounter
T22.321D	Burn of third degree of right elbow, subsequent encounter
T22.321S	Burn of third degree of right elbow, sequela
T22.322A	Burn of third degree of left elbow, initial encounter
T22.322D	Burn of third degree of left elbow, subsequent encounter
T22.322S	Burn of third degree of left elbow, sequela

T22.329A	Burn of third degree of unspecified elbow, initial encounter
T22.329D	Burn of third degree of unspecified elbow, subsequent encounter
T22.329S	Burn of third degree of unspecified elbow, sequela
T22.331A	Burn of third degree of right upper arm, initial encounter
T22.331D	Burn of third degree of right upper arm, subsequent encounter
T22.331S	Burn of third degree of right upper arm, sequela
T22.332A	Burn of third degree of left upper arm, initial encounter
T22.332D	Burn of third degree of left upper arm, subsequent encounter
T22.332S	Burn of third degree of left upper arm, sequela
T22.339A	Burn of third degree of unspecified upper arm, initial encounter
T22.339D	Burn of third degree of unspecified upper arm, subsequent encounter
T22.339S	Burn of third degree of unspecified upper arm, sequela
T22.341A	Burn of third degree of right axilla, initial encounter
T22.341D	Burn of third degree of right axilla, subsequent encounter
T22.341S	Burn of third degree of right axilla, sequela
T22.342A	Burn of third degree of left axilla, initial encounter
T22.342D	Burn of third degree of left axilla, subsequent encounter
T22.342S	Burn of third degree of left axilla, sequela
T22.349A	Burn of third degree of unspecified axilla, initial encounter
T22.349D	Burn of third degree of unspecified axilla, subsequent encounter
T22.349S	Burn of third degree of unspecified axilla, sequela
T22.351A	Burn of third degree of right shoulder, initial encounter
T22.351D	Burn of third degree of right shoulder, subsequent encounter
T22.351S	Burn of third degree of right shoulder, sequela
T22.352A	Burn of third degree of left shoulder, initial encounter
T22.352D	Burn of third degree of left shoulder, subsequent encounter
T22.352S	Burn of third degree of left shoulder, sequela
T22.359A	Burn of third degree of unspecified shoulder, initial encounter
T22.359D	Burn of third degree of unspecified shoulder, subsequent encounter
T22.359S	Burn of third degree of unspecified shoulder, sequela
T22.361A	Burn of third degree of right scapular region, initial encounter
T22.361D	Burn of third degree of right scapular region, subsequent encounter
T22.361S	Burn of third degree of right scapular region, sequela
T22.362A	Burn of third degree of left scapular region, initial encounter
T22.362D	Burn of third degree of left scapular region, subsequent encounter
T22.362S	Burn of third degree of left scapular region, sequela

T22.369A	Burn of third degree of unspecified scapular region, initial encounter
T22.369D	Burn of third degree of unspecified scapular region, subsequent encounter
T22.369S	Burn of third degree of unspecified scapular region, sequela
T22.391A	Burn of third degree of multiple sites of right shoulder and upper limb, except wrist and hand, initial
T22.391D	Burn of third degree of multiple sites of right shoulder and upper limb, except wrist and hand,
T22.391S	Burn of third degree of multiple sites of right shoulder and upper limb, except wrist and hand,
T22.392A	Burn of third degree of multiple sites of left shoulder and upper limb, except wrist and hand, initial
T22.392D	Burn of third degree of multiple sites of left shoulder and upper limb, except wrist and hand,
T22.392S	Burn of third degree of multiple sites of left shoulder and upper limb, except wrist and hand, sequela
T22.399A	Burn of third degree of multiple sites of unspecified shoulder and upper limb, except wrist and hand,
T22.399D	Burn of third degree of multiple sites of unspecified shoulder and upper limb, except wrist and hand,
T22.399S,	Burn of third degree of multiple sites of unspecified shoulder and upper limb, except wrist and hand,
T23.201A	Burn of second degree of right hand, unspecified site, initial encounter
T23.201D	Burn of second degree of right hand, unspecified site, subsequent encounter
T23.201S	Burn of second degree of right hand, unspecified site, sequela
T23.202A	Burn of second degree of left hand, unspecified site, initial encounter
T23.202D	Burn of second degree of left hand, unspecified site, subsequent encounter
T23.202S	Burn of second degree of left hand, unspecified site, sequela
T23.209A	Burn of second degree of unspecified hand, unspecified site, initial encounter
T23.209D	Burn of second degree of unspecified hand, unspecified site, subsequent encounter
T23.209S	Burn of second degree of unspecified hand, unspecified site, sequela
T23.211A	Burn of second degree of right thumb (nail), initial encounter
T23.211D	Burn of second degree of right thumb (nail), subsequent encounter
T23.211S	Burn of second degree of right thumb (nail), sequela
T23.212A	Burn of second degree of left thumb (nail), initial encounter
T23.212D	Burn of second degree of left thumb (nail), subsequent encounter
T23.212S	Burn of second degree of left thumb (nail), sequela
T23.219A	Burn of second degree of unspecified thumb (nail), initial encounter
T23.219D	Burn of second degree of unspecified thumb (nail), subsequent encounter
T23.219S	Burn of second degree of unspecified thumb (nail), sequela
T23.221A	Burn of second degree of single right finger (nail) except thumb, initial encounter
T23.221D	Burn of second degree of single right finger (nail) except thumb, subsequent encounter
T23.221S	Burn of second degree of single right finger (nail) except thumb, sequela
T23.222A	Burn of second degree of single left finger (nail) except thumb, initial encounter
T23.222D	Burn of second degree of single left finger (nail) except thumb, subsequent encounter
T23.222S	Burn of second degree of single left finger (nail) except thumb, sequela

T23.229A	Burn of second degree of unspecified single finger (nail) except thumb, initial encounter
T23.229D	Burn of second degree of unspecified single finger (nail) except thumb, subsequent encounter
T23.229S	Burn of second degree of unspecified single finger (nail) except thumb, sequela
T23.231A	Burn of second degree of multiple right fingers (nail), not including thumb, initial encounter
T23.231D	Burn of second degree of multiple right fingers (nail), not including thumb, subsequent encounter
T23.231S	Burn of second degree of multiple right fingers (nail), not including thumb, sequela
T23.232A	Burn of second degree of multiple left fingers (nail), not including thumb, initial encounter
T23.232D	Burn of second degree of multiple left fingers (nail), not including thumb, subsequent encounter
T23.232S	Burn of second degree of multiple left fingers (nail), not including thumb, sequela
T23.239A	Burn of second degree of unspecified multiple fingers (nail), not including thumb, initial encounter
T23.239D	Burn of second degree of unspecified multiple fingers (nail), not including thumb, subsequent
T23.239S	Burn of second degree of unspecified multiple fingers (nail), not including thumb, sequela
T23.241A	Burn of second degree of multiple right fingers (nail), including thumb, initial encounter
T23.241D	Burn of second degree of multiple right fingers (nail), including thumb, subsequent encounter
T23.241S	Burn of second degree of multiple right fingers (nail), including thumb, sequela
T23.242A	Burn of second degree of multiple left fingers (nail), including thumb, initial encounter
T23.242D	Burn of second degree of multiple left fingers (nail), including thumb, subsequent encounter
T23.242S	Burn of second degree of multiple left fingers (nail), including thumb, sequela
T23.249A	Burn of second degree of unspecified multiple fingers (nail), including thumb, initial encounter
T23.249D	Burn of second degree of unspecified multiple fingers (nail), including thumb, subsequent encounter
T23.249S	Burn of second degree of unspecified multiple fingers (nail), including thumb, sequela
T23.251A	Burn of second degree of right palm, initial encounter
T23.251D	Burn of second degree of right palm, subsequent encounter
T23.251S	Burn of second degree of right palm, sequela
T23.252A	Burn of second degree of left palm, initial encounter
T23.252D	Burn of second degree of left palm, subsequent encounter
T23.252S	Burn of second degree of left palm, sequela
T23.259A	Burn of second degree of unspecified palm, initial encounte
T23.259D	Burn of second degree of unspecified palm, subsequent encounter
T23.259S	Burn of second degree of unspecified palm, sequela
T23.261A	Burn of second degree of back of right hand, initial encounter
T23.261D	Burn of second degree of back of right hand, subsequent encounter
T23.261S	Burn of second degree of back of right hand, sequela
T23.262A	Burn of second degree of back of left hand, initial encounter
T23.262D	Burn of second degree of back of left hand, subsequent encounter
T23.262S	Burn of second degree of back of left hand, sequela

T23.269A	Burn of second degree of back of unspecified hand, initial encounter
T23.269D	Burn of second degree of back of unspecified hand, subsequent encounter
T23.269S	Burn of second degree of back of unspecified hand, sequela
T23.271A	Burn of second degree of right wrist, initial encounter
T23.271D	Burn of second degree of right wrist, subsequent encounter
T23.271S	Burn of second degree of right wrist, sequela
T23.272A	Burn of second degree of left wrist, initial encounter
T23.272D	Burn of second degree of left wrist, subsequent encounter
T23.272S	Burn of second degree of left wrist, sequela
T23.279A	Burn of second degree of unspecified wrist, initial encounter
T23.279D	Burn of second degree of unspecified wrist, subsequent encounter
T23.279S	Burn of second degree of unspecified wrist, sequela
T23.291A	Burn of second degree of multiple sites of right wrist and hand, initial encounter
T23.291D	Burn of second degree of multiple sites of right wrist and hand, subsequent encounter
T23.291S	Burn of second degree of multiple sites of right wrist and hand, sequela
T23.292A	Burn of second degree of multiple sites of left wrist and hand, initial encounter
T23.292D	Burn of second degree of multiple sites of left wrist and hand, subsequent encounter
T23.292S	Burn of second degree of multiple sites of left wrist and hand, sequela
T23.299A	Burn of second degree of multiple sites of unspecified wrist and hand, initial encounter
T23.299D	Burn of second degree of multiple sites of unspecified wrist and hand, subsequent encounter
T23.299S	Burn of second degree of multiple sites of unspecified wrist and hand, sequela
T23.301A	Burn of third degree of right hand, unspecified site, initial encounter
T23.301D	Burn of third degree of right hand, unspecified site, subsequent encounter
T23.301S	Burn of third degree of right hand, unspecified site, sequela
T23.302A	Burn of third degree of left hand, unspecified site, initial encounter
T23.302D	Burn of third degree of left hand, unspecified site, subsequent encounter
T23.302S	Burn of third degree of left hand, unspecified site, sequela
T23.309A	Burn of third degree of unspecified hand, unspecified site, initial encounter
T23.309D	Burn of third degree of unspecified hand, unspecified site, subsequent encounter
T23.309S	Burn of third degree of unspecified hand, unspecified site, sequela
T23.311A	Burn of third degree of right thumb (nail), initial encounter
T23.311D	Burn of third degree of right thumb (nail), subsequent encounter
T23.311S	Burn of third degree of right thumb (nail), sequela
T23.312A	Burn of third degree of left thumb (nail), initial encounter
T23.312D	Burn of third degree of left thumb (nail), subsequent encounter
T23.312S	Burn of third degree of left thumb (nail), sequela

T23.319A	Burn of third degree of unspecified thumb (nail), initial encounter
T23.319D	Burn of third degree of unspecified thumb (nail), subsequent encounter
T23.319S	Burn of third degree of unspecified thumb (nail), sequela
T23.321A	Burn of third degree of single right finger (nail) except thumb, initial encounter
T23.321D	Burn of third degree of single right finger (nail) except thumb, subsequent encounter
T23.321S	Burn of third degree of single right finger (nail) except thumb, sequela
T23.322A	Burn of third degree of single left finger (nail) except thumb, initial encounter
T23.322D	Burn of third degree of single left finger (nail) except thumb, subsequent encounter
T23.322S	Burn of third degree of single left finger (nail) except thumb, sequela
T23.329A	Burn of third degree of unspecified single finger (nail) except thumb, initial encounter
T23.329D	Burn of third degree of unspecified single finger (nail) except thumb, subsequent encounter
T23.329S	Burn of third degree of unspecified single finger (nail) except thumb, sequela
T23.331A	Burn of third degree of multiple right fingers (nail), not including thumb, initial encounter
T23.331D	Burn of third degree of multiple right fingers (nail), not including thumb, subsequent encounter
T23.331S	Burn of third degree of multiple right fingers (nail), not including thumb, sequela
T23.332A	Burn of third degree of multiple left fingers (nail), not including thumb, initial encounter
T23.332D	Burn of third degree of multiple left fingers (nail), not including thumb, subsequent encounter
T23.332S	Burn of third degree of multiple left fingers (nail), not including thumb, sequela
T23.339A	Burn of third degree of unspecified multiple fingers (nail), not including thumb, initial encounter
T23.339D	Burn of third degree of unspecified multiple fingers (nail), not including thumb, subsequent
T23.339S	Burn of third degree of unspecified multiple fingers (nail), not including thumb, sequela
T23.341A	Burn of third degree of multiple right fingers (nail), including thumb, initial encounter
T23.341D	Burn of third degree of multiple right fingers (nail), including thumb, subsequent encounter
T23.341S	Burn of third degree of multiple right fingers (nail), including thumb, sequela
T23.342A	Burn of third degree of multiple left fingers (nail), including thumb, initial encounter
T23.342D	Burn of third degree of multiple left fingers (nail), including thumb, subsequent encounter
T23.342S	Burn of third degree of multiple left fingers (nail), including thumb, sequela
T23.349A	Burn of third degree of unspecified multiple fingers (nail), including thumb, initial encounter
T23.349D	Burn of third degree of unspecified multiple fingers (nail), including thumb, subsequent encounter
T23.349S	Burn of third degree of unspecified multiple fingers (nail), including thumb, sequela
T23.351A	Burn of third degree of right palm, initial encounter
T23.351D	Burn of third degree of right palm, subsequent encounter
T23.351S	Burn of third degree of right palm, sequela
T23.352A	Burn of third degree of left palm, initial encounter
T23.352D	Burn of third degree of left palm, subsequent encounter
T23.352S	Burn of third degree of left palm, sequela

T23.359A	Burn of third degree of unspecified palm, initial encounter
T23.359D	Burn of third degree of unspecified palm, subsequent encounter
T23.359S	Burn of third degree of unspecified palm, sequela
T23.361A	Burn of third degree of back of right hand, initial encounter
T23.361D	Burn of third degree of back of right hand, subsequent encounter
T23.361S	Burn of third degree of back of right hand, sequela
T23.362A	Burn of third degree of back of left hand, initial encounter
T23.362D	Burn of third degree of back of left hand, subsequent encounter
T23.362S	Burn of third degree of back of left hand, sequel
T23.369A	Burn of third degree of back of unspecified hand, initial encounter
T23.369D	Burn of third degree of back of unspecified hand, subsequent encounter
T23.369S	Burn of third degree of back of unspecified hand, sequela
T23.371A	Burn of third degree of right wrist, initial encounter
T23.371D	Burn of third degree of right wrist, subsequent encounter
T23.371S	Burn of third degree of right wrist, sequela
T23.372A	Burn of third degree of left wrist, initial encounter
T23.372D	Burn of third degree of left wrist, subsequent encounter
T23.372S	Burn of third degree of left wrist, sequela
T23.379A	Burn of third degree of unspecified wrist, initial encounter
T23.379D	Burn of third degree of unspecified wrist, subsequent encounter
T23.379S	Burn of third degree of unspecified wrist, sequela
T23.391A	Burn of third degree of multiple sites of right wrist and hand, initial encounter
T23.391D	Burn of third degree of multiple sites of right wrist and hand, subsequent encounter
T23.391S	Burn of third degree of multiple sites of right wrist and hand, sequela
T23.392A	Burn of third degree of multiple sites of left wrist and hand, initial encounter
T23.392D	Burn of third degree of multiple sites of left wrist and hand, subsequent encounter
T23.392S	Burn of third degree of multiple sites of left wrist and hand, sequela
T23.399A	Burn of third degree of multiple sites of unspecified wrist and hand, initial encounter
T23.399D	Burn of third degree of multiple sites of unspecified wrist and hand, subsequent encounter
T23.399S	Burn of third degree of multiple sites of unspecified wrist and hand, sequela
T24.201A	Burn of second degree of unspecified site of right lower limb, except ankle and foot, initial encounter
T24.201D	Burn of second degree of unspecified site of right lower limb, except ankle and foot, subsequent
T24.201S	Burn of second degree of unspecified site of right lower limb, except ankle and foot, sequela
T24.202A	Burn of second degree of unspecified site of left lower limb, except ankle and foot, initial encounter
T24.202D	Burn of second degree of unspecified site of left lower limb, except ankle and foot, subsequent
T24.202S	Burn of second degree of unspecified site of left lower limb, except ankle and foot, sequela

T24.209A	Burn of second degree of unspecified site of unspecified lower limb, except ankle and foot, initial
T24.209D	Burn of second degree of unspecified site of unspecified lower limb, except ankle and foot,
T24.209S	Burn of second degree of unspecified site of unspecified lower limb, except ankle and foot, sequela
T24.211A	Burn of second degree of right thigh, initial encounter
T24.211D	Burn of second degree of right thigh, subsequent encounter
T24.211S	Burn of second degree of right thigh, sequela
T24.212A	Burn of second degree of left thigh, initial encounter
T24.212D	Burn of second degree of left thigh, subsequent encounter
T24.212S	Burn of second degree of left thigh, sequela
T24.219A	Burn of second degree of unspecified thigh, initial encounter
T24.219D	Burn of second degree of unspecified thigh, subsequent encounter
T24.219S	Burn of second degree of unspecified thigh, sequela
T24.221A	Burn of second degree of right knee, initial encounter
T24.221D	Burn of second degree of right knee, subsequent encounter
T24.221S	T24.221S Burn of second degree of right knee, sequel
T24.222A	Burn of second degree of left knee, initial encounter
T24.222D	Burn of second degree of left knee, subsequent encounter
T24.222S	Burn of second degree of left knee, sequela
T24.229A	Burn of second degree of unspecified knee, initial encounter
T24.229D	Burn of second degree of unspecified knee, subsequent encounter
T24.229S	Burn of second degree of unspecified knee, sequela
T24.231A	Burn of second degree of right lower leg, initial encounter
T24.231D	Burn of second degree of right lower leg, subsequent encounter
T24.231S	Burn of second degree of right lower leg, sequela
T24.232A	Burn of second degree of left lower leg, initial encounter
T24.232D	Burn of second degree of left lower leg, subsequent encounter
T24.232S	Burn of second degree of left lower leg, sequela
T24.239A	Burn of second degree of unspecified lower leg, initial encounter
T24.239D	Burn of second degree of unspecified lower leg, subsequent encounter
T24.239S	Burn of second degree of unspecified lower leg, sequela
T24.291A	Burn of second degree of multiple sites of right lower limb, except ankle and foot, initial encounter
T24.291D	Burn of second degree of multiple sites of right lower limb, except ankle and foot, subsequent
T24.291S	Burn of second degree of multiple sites of right lower limb, except ankle and foot, sequela
T24.292A	Burn of second degree of multiple sites of left lower limb, except ankle and foot, initial encounter
T24.292D	Burn of second degree of multiple sites of left lower limb, except ankle and foot, subsequent
T24.292S	Burn of second degree of multiple sites of left lower limb, except ankle and foot, sequela

T24.299A	Burn of second degree of multiple sites of unspecified lower limb, except ankle and foot, initial
T24.299D	Burn of second degree of multiple sites of unspecified lower limb, except ankle and foot,
T24.299S	Burn of second degree of multiple sites of unspecified lower limb, except ankle and foot, sequela
T24.301A	Burn of third degree of unspecified site of right lower limb, except ankle and foot, initial encounter
T24.301D	Burn of third degree of unspecified site of right lower limb, except ankle and foot, subsequent
T24.301S	Burn of third degree of unspecified site of right lower limb, except ankle and foot, sequela
T24.302A	Burn of third degree of unspecified site of left lower limb, except ankle and foot, initial encounter
T24.302D	Burn of third degree of unspecified site of left lower limb, except ankle and foot, subsequent
T24.302S	Burn of third degree of unspecified site of left lower limb, except ankle and foot, sequela
T24.309A	Burn of third degree of unspecified site of unspecified lower limb, except ankle and foot, initial
T24.309D	Burn of third degree of unspecified site of unspecified lower limb, except ankle and foot, subsequent
T24.309S	Burn of third degree of unspecified site of unspecified lower limb, except ankle and foot, sequela
T24.311A	Burn of third degree of right thigh, initial encounter
T24.311D	Burn of third degree of right thigh, subsequent encounter
T24.311S	Burn of third degree of right thigh, sequela
T24.312A	Burn of third degree of left thigh, initial encounter
T24.312D	Burn of third degree of left thigh, subsequent encounter
T24.312S	Burn of third degree of left thigh, sequela
T24.319A	Burn of third degree of unspecified thigh, initial encounter
T24.319D	Burn of third degree of unspecified thigh, subsequent encounter
T24.319S	Burn of third degree of unspecified thigh, sequela
T24.321A	Burn of third degree of right knee, initial encounter
T24.321D	Burn of third degree of right knee, subsequent encounter
T24.321S	Burn of third degree of right knee, sequela
T24.322A	Burn of third degree of left knee, initial encounter
T24.322D	Burn of third degree of left knee, subsequent encounter
T24.322S	Burn of third degree of left knee, sequela
T24.329A	Burn of third degree of unspecified knee, initial encounter
T24.329D	Burn of third degree of unspecified knee, subsequent encounter
T24.329S	Burn of third degree of unspecified knee, sequela
T24.331A	Burn of third degree of right lower leg, initial encounter
T24.331D	Burn of third degree of right lower leg, subsequent encounter
T24.331S	Burn of third degree of right lower leg, sequela
T24.332A	Burn of third degree of left lower leg, initial encounter
T24.332D	Burn of third degree of left lower leg, subsequent encounter
T24.332S	Burn of third degree of left lower leg, sequela

T24.339A	Burn of third degree of unspecified lower leg, initial encounter
T24.339D	Burn of third degree of unspecified lower leg, subsequent encounter
T24.339S	Burn of third degree of unspecified lower leg, sequela
T24.391A	Burn of third degree of multiple sites of right lower limb, except ankle and foot, initial encounter
T24.391D	Burn of third degree of multiple sites of right lower limb, except ankle and foot, subsequent
T24.391S	Burn of third degree of multiple sites of right lower limb, except ankle and foot, sequela
T24.392A	Burn of third degree of multiple sites of left lower limb, except ankle and foot, initial encounter
T24.392D	Burn of third degree of multiple sites of left lower limb, except ankle and foot, subsequent encounter
T24.392S	Burn of third degree of multiple sites of left lower limb, except ankle and foot, sequela
T24.399A	Burn of third degree of multiple sites of unspecified lower limb, except ankle and foot, initial
T24.399D	Burn of third degree of multiple sites of unspecified lower limb, except ankle and foot, subsequent
T24.399S	Burn of third degree of multiple sites of unspecified lower limb, except ankle and foot, sequela
T25.211A	Burn of second degree of right ankle, initial encounter
T25.211D	Burn of second degree of right ankle, subsequent encounter
T25.211S	Burn of second degree of right ankle, sequela
T25.212A	Burn of second degree of left ankle, initial encounter
T25.212D	Burn of second degree of left ankle, subsequent encounter
T25.212S	Burn of second degree of left ankle, sequela
T25.219A	Burn of second degree of unspecified ankle, initial encounter
T25.219D	Burn of second degree of unspecified ankle, subsequent encounter
T25.219S	Burn of second degree of unspecified ankle, sequela
T25.221A	Burn of second degree of right foot, initial encounter
T25.221D	Burn of second degree of right foot, subsequent encounter
T25.221S	Burn of second degree of right foot, sequela
T25.222A	Burn of second degree of left foot, initial encounter
T25.222D	Burn of second degree of left foot, subsequent encounter
T25.222S	Burn of second degree of left foot, sequela
T25.229A	Burn of second degree of unspecified foot, initial encounter
T25.229D	Burn of second degree of unspecified foot, subsequent encounter
T25.229S	Burn of second degree of unspecified foot, sequela
T25.231A	Burn of second degree of right toe(s) (nail), initial encounter
T25.231D	Burn of second degree of right toe(s) (nail), subsequent encounter
T25.231S	Burn of second degree of right toe(s) (nail), sequela
T25.232A	Burn of second degree of left toe(s) (nail), initial encounter
T25.232D	Burn of second degree of left toe(s) (nail), subsequent encounter
T25.232S	Burn of second degree of left toe(s) (nail), sequela

T25.239A	Burn of second degree of unspecified toe(s) (nail), initial encounter
T25.239D	Burn of second degree of unspecified toe(s) (nail), subsequent encounter
T25.239S	Burn of second degree of unspecified toe(s) (nail), sequela
T25.291A	Burn of second degree of multiple sites of right ankle and foot, initial encounter
T25.291D	Burn of second degree of multiple sites of right ankle and foot, subsequent encounter
T25.291S	Burn of second degree of multiple sites of right ankle and foot, sequela
T25.292A	Burn of second degree of multiple sites of left ankle and foot, initial encounter
T25.292D	Burn of second degree of multiple sites of left ankle and foot, subsequent encounter
T25.292S	Burn of second degree of multiple sites of left ankle and foot, sequela
T25.299A	Burn of second degree of multiple sites of unspecified ankle and foot, initial encounter
T25.299D	Burn of second degree of multiple sites of unspecified ankle and foot, subsequent encounter
T25.299S	Burn of second degree of multiple sites of unspecified ankle and foot, sequela
T25.311A	Burn of third degree of right ankle, initial encounter
T25.311D	Burn of third degree of right ankle, subsequent encounter
T25.311S	Burn of third degree of right ankle, sequela
T25.312A	Burn of third degree of left ankle, initial encounter
T25.312D	Burn of third degree of left ankle, subsequent encounter
T25.312S	Burn of third degree of left ankle, sequela
T25.319A	Burn of third degree of unspecified ankle, initial encounter
T25.319D	Burn of third degree of unspecified ankle, subsequent encounter
T25.319S	Burn of third degree of unspecified ankle, sequela
T25.321A	Burn of third degree of right foot, initial encounter
T25.321D	Burn of third degree of right foot, subsequent encounter
T25.321S	Burn of third degree of right foot, sequela
T25.322A	Burn of third degree of left foot, initial encounter
T25.322D	Burn of third degree of left foot, subsequent encounter
T25.322S	Burn of third degree of left foot, sequela
T25.329A	Burn of third degree of unspecified foot, initial encounter
T25.329D	Burn of third degree of unspecified foot, subsequent encounter
T25.329S	Burn of third degree of unspecified foot, sequela
T25.331A	Burn of third degree of right toe(s) (nail), initial encounter
T25.331D	Burn of third degree of right toe(s) (nail), subsequent encounter
T25.331S	Burn of third degree of right toe(s) (nail), sequela
T25.332A	Burn of third degree of left toe(s) (nail), initial encounter
T25.332D	Burn of third degree of left toe(s) (nail), subsequent encounter
T25.332S	Burn of third degree of left toe(s) (nail), sequela

T25.339A	Burn of third degree of unspecified toe(s) (nail), initial encounter
T25.339D	Burn of third degree of unspecified toe(s) (nail), subsequent encounter
T25.339S	Burn of third degree of unspecified toe(s) (nail), sequela
T25.391A	Burn of third degree of multiple sites of right ankle and foot, initial encounter
T25.391D	Burn of third degree of multiple sites of right ankle and foot, subsequent encounter
T25.391S	Burn of third degree of multiple sites of right ankle and foot, sequela
T25.392A	Burn of third degree of multiple sites of left ankle and foot, initial encounter
T25.392D	Burn of third degree of multiple sites of left ankle and foot, subsequent encounter
T25.392S	Burn of third degree of multiple sites of left ankle and foot, sequela
T25.399A	Burn of third degree of multiple sites of unspecified ankle and foot, initial encounter
T25.399D	Burn of third degree of multiple sites of unspecified ankle and foot, subsequent encounter
T25.399S	Burn of third degree of multiple sites of unspecified ankle and foot, sequela
T30.0	Burn of unspecified body region, unspecified degree
T57.3X1A	Toxic effect of hydrogen cyanide, accidental (unintentional), initial encounter
T57.3X2A	Toxic effect of hydrogen cyanide, intentional self-harm, initial encounter
T57.3X3A	Toxic effect of hydrogen cyanide, assault, initial encounter
T57.3X4A	Toxic effect of hydrogen cyanide, undetermined, initial encounter
T58.01xA	Toxic effect of carbon monoxide from motor vehicle exhaust, accidental (unintentional), initial encounter
T58.02xA	Toxic effect of carbon monoxide from motor vehicle exhaust, intentional self-harm, initial encounter
T58.03xA	Toxic effect of carbon monoxide from motor vehicle exhaust, assault, initial encounter
T58.04xA	Toxic effect of carbon monoxide from motor vehicle exhaust, undetermined, initial encounter
T58.11xA	Toxic effect of carbon monoxide from utility gas, accidental (unintentional), initial encounter
T58.12xA	Toxic effect of carbon monoxide from utility gas, intentional self-harm, initial encounter
T58.13xA	Toxic effect of carbon monoxide from utility gas, assault, initial encounter
T58.14xA	Toxic effect of carbon monoxide from utility gas, undetermined, initial encounter
T58.2X1A	Toxic effect of carbon monoxide from incomplete combustion of other domestic fuels, accidental (unintentional), initial encounter
T58.2X2A	Toxic effect of carbon monoxide from incomplete combustion of other domestic fuels, intentional self-harm, initial encounter
T58.2X3A	Toxic effect of carbon monoxide from incomplete combustion of other domestic fuels, assault, initial encounter
T58.2X4A	Toxic effect of carbon monoxide from incomplete combustion of other domestic fuels, undetermined, initial encounter
T58.8X1A	Toxic effect of carbon monoxide from other source, accidental (unintentional), initial encounter
T58.8X2A	Toxic effect of carbon monoxide from other source, intentional self-harm, initial encounter
T58.8X3A	Toxic effect of carbon monoxide from other source, assault, initial encounter
T58.8X4A	Toxic effect of carbon monoxide from other source, undetermined, initial encounter
T58.91xA	Toxic effect of carbon monoxide from unspecified source, accidental (unintentional), initial encounter

T58.92xA	Toxic effect of carbon monoxide from unspecified source, intentional self-harm, initial encounter
T58.93xA	Toxic effect of carbon monoxide from unspecified source, assault, initial encounter
T58.94xA	Toxic effect of carbon monoxide from unspecified source, undetermined, initial encounter
T65.0X1A	Toxic effect of cyanides, accidental (unintentional), initial encounter
T65.0X2A	Toxic effect of cyanides, intentional self-harm, initial encounter
T65.0X3A	Toxic effect of cyanides, assault, initial encounter
T65.0X4A	Toxic effect of cyanides, undetermined, initial encounter
T66.xxxA	Radiation sickness, unspecified, initial encounter
T70.29XA	Other effects of high altitude, initial encounter
T70.3xxA	Caisson disease [decompression sickness], initial encounter
T79.0xxA	Air embolism (traumatic), initial encounter
T80.0xxA	Air embolism following infusion, transfusion and therapeutic injection, initial encounter
T86.820	Skin graft (allograft) rejection
T86.821	Skin graft (allograft) (autograft) failure
T86.822	Skin graft (allograft) (autograft) infection
T86.828	Other complications of skin graft (allograft) (autograft)
T86.829	Unspecified complication of skin graft (allograft) (autograft)
T87.0X1	Complications of reattached (part of) right upper extremity
T87.0X2	Complications of reattached (part of) left upper extremity
T87.0X9	Complications of reattached (part of) unspecified upper extremity
T87.1X1	Complications of reattached (part of) right lower extremity
T87.1X2	Complications of reattached (part of) left lower extremity
T87.1X9	Complications of reattached (part of) unspecified lower extremity
T87.2	Complications of other reattached body part

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Revision History

Company(ies)	DATE	REVISION
EmblemHealth	Sept. 12, 2025	Added avascular necrosis (aseptic osteonecrosis); central retinal artery occlusion; and thermal burns, second or third degree, as covered indications
EmblemHealth ConnectiCare	Sept. 13, 2024	Added “ <i>flaps</i> ” to the indication: Preparation and preservation of compromised skin grafts “and flaps”
EmblemHealth ConnectiCare	Sept. 8, 2023	Added emergent anemia and intracranial abscess as covered indications with clinical criteria Removed exceptional blood loss anemia from Limitations/Exclusions
EmblemHealth ConnectiCare	Oct. 14, 2022	Added post-concussive syndrome to list of conditions considered not medically necessary
ConnectiCare	Oct. 14, 2022	ConnectiCare adopts the clinical criteria of its parent corporation EmblemHealth