

Medicare Medical Policy

Hyperbaric Oxygen Therapy

MEDICARE MEDICAL POLICY NUMBER: 198

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INSTRUCTIONS FOR USE: Company Medicare Medical Policies serve as guidance for the administration of plan benefits and do not constitute medical advice nor a guarantee of coverage. Company Medicare Medical Policies are reviewed annually to guide the coverage or non-coverage decision-making process for services or procedures in accordance with member benefit contracts (otherwise known as Evidence of Coverage or EOCs) and Centers of Medicare and Medicaid Services (CMS) policies, manuals, and other CMS rules and regulations. In the absence of a CMS coverage determination or specific regulation for a requested service, item or procedure, Company policy criteria or applicable utilization management vendor criteria may be applied. These are based upon published, peer-reviewed scientific evidence and evidence-based clinical practice guidelines that are available as of the last policy update. Coverage decisions are made on the basis of individualized determinations of medical necessity and the experimental or investigational character of the treatment in the individual case. In cases where medical necessity is not established by policy for specific treatment modalities, evidence not previously considered regarding the efficacy of the modality that is presented shall be given consideration to determine if the policy represents current standards of care.

The Company reserves the right to determine the application of Medicare Medical Policies and make revisions to these policies at any time. Any conflict or variance between the EOC and Company Medical Policy will be resolved in favor of the EOC.

SCOPE: Providence Health Plan, Providence Health Assurance, and Providence Plan Partners as applicable (referred to individually as “Company” and collectively as “Companies”).

PRODUCT AND BENEFIT APPLICATION

Medicare Only

MEDICARE COVERAGE CRITERIA

IMPORTANT NOTE: More than one Centers for Medicare and Medicaid Services (CMS) reference may apply to the same health care service, such as when more than one coverage policy is available (e.g., both an NCD and LCD exist). All references listed should be considered for coverage decision-making. The Company uses the most current version of a Medicare reference available at the time of publication; however, these websites are not maintained by the Company, so Medicare references and their corresponding hyperlinks may change at any time. If there is a conflict between the Company Medicare Medical Policy and CMS guidance, the CMS guidance will govern.

Service	Medicare Guidelines
<i>Hyperbaric Oxygen Therapy (HBOT)</i>	National Coverage Determination (NCD) for Hyperbaric Oxygen Therapy (20.29) NOTE: According to NCD 20.29, “All other indications not specified under §270.4(A) are not covered under the Medicare program. No program payment may be made for any conditions other than those listed in §270.4(A).” Therefore, in addition to the <i>non-covered</i> list of conditions in the NCD, the use of HBOT for any indication that is not included in the <i>covered</i> list of this NCD would be considered not medically necessary . See the <i>Billing Guidelines and Coding</i> section below for information regarding medical necessity and diagnosis codes.
<i>Topical Hyperbaric Oxygen (E0446 and A4575)</i>	Local Coverage Determination (LCD): Oxygen and Oxygen Equipment (L33797)

IMPORTANT NOTICE: While some services or items may appear medically indicated for an individual, they may also be a direct exclusion of Medicare or the member’s benefit plan. Such excluded services or items by Medicare and member EOCs include, but are not limited to, services or procedures considered to be cosmetic, not medical in nature, or those considered not medically reasonable or necessary under *Title XVIII of the Social Security Act, §1862(a)(1)(A)*. If there is uncertainty regarding coverage of a service or item, please review the member EOC or submit a pre-service organization determination request. Note that the Medicare Advance Beneficiary Notice of Noncoverage (ABN) form **cannot** be used for Medicare Advantage members. (*Medicare Advance Written Notices of Non-coverage. MLN006266 May 2021*)

POLICY CROSS REFERENCES

None

The full Company portfolio of Medicare Medical Policies is available online and can be [accessed here](#).

POLICY GUIDELINES

DOCUMENTATION REQUIREMENTS

The Centers for Medicare & Medicaid Services (CMS) National Coverage Determination (NCD) requires documentation of all previous and ongoing standard wound (and other) treatment(s) for the patient's specific condition. Each hyperbaric oxygen treatment must be completely documented including the ascent and descent time, patient toleration, and ongoing progress.

REGULATORY STATUS

U.S. FOOD & DRUG ADMINISTRATION (FDA)

While clearance by the Food and Drug Administration (FDA) is a prerequisite for Medicare coverage, the 510(k) premarket clearance process does not in itself establish medical necessity. Medicare payment policy is determined by the interaction of numerous requirements, including but not limited to, the availability of a Medicare benefit category and other statutory requirements, coding and pricing guidelines, as well as national and local coverage determinations and clinical evidence.

BILLING GUIDELINES AND CODING

GENERAL

CPT 99183 and HCPCS G0277 may be considered medically necessary and approved when the criteria of the Medicare NCD are met **and** when the request will be submitted with an ICD-10 diagnosis code listed in Appendices below which support medical necessity. This is based on CMS [Transmittal Number 2005 \(Change Request 10318\)](#). Note that some diagnosis codes may require the presence of a *second* diagnosis code in order to meet NCD coverage requirements.

- Appendix I – Single diagnosis code requirement
- Appendix II – Dual diagnosis requirement

HBOT Used for the Treatment of Diabetic Wounds of the Lower Extremities

For more information regarding submitting claims for HBOT used for the treatment of diabetic wounds of the lower extremities, see the *Medicare Claims Processing Manual, Chapter 32 – Billing Requirements for Special Services*, [§30.1 - Billing Requirements for HBO Therapy for the Treatment of the Lower Extremities](#).

Topical Hyperbaric Oxygen

According to the Noridian LCA Billing and Coding: Topical HBO and Physician Related Service Billing and Coding Guidelines ([A56026](#)), “the two HCPCS codes for topical oxygen therapy (E0446 and A4575) are designated as DME jurisdiction” and that physicians are not allowed to report for topical oxygen HCPCS codes. In addition, the *Medicare Claims Processing Manual, Chapter 32, §30.2 Hyperbaric Oxygen (HBO) Therapy (Section C, Topical Application of Oxygen)* states, “there shall be no coverage for any separate

or additional physician’s professional services related to this procedure.” According to LCA A56026, to bill for related **physician** services of topical oxygen, unlisted CPT code 99199 would be used, but no separate reimbursement would be allowed.

CODES*		
CPT	99183	Physician or other qualified health care professional attendance and supervision of hyperbaric oxygen therapy, per session
	99199	Unlisted special service, procedure or report
HCPCS	A4575	Topical hyperbaric oxygen chamber, disposable
	E0446	Topical oxygen delivery system, not otherwise specified, includes all supplies and accessories
	G0277	Hyperbaric oxygen under pressure, full body chamber, per 30 minute interval

***Coding Notes:**

- The code list above is provided as a courtesy and may not be all-inclusive. Inclusion or omission of a code from this policy neither implies nor guarantees reimbursement or coverage. Some codes may not require routine review for medical necessity, but they are subject to provider contracts, as well as member benefits, eligibility and potential utilization audit. According to Medicare, “presence of a payment amount in the MPFS and the Medicare physician fee schedule database (MPFSDB) does not imply that CMS has determined that the service may be covered by Medicare.” The issuance of a CPT or HCPCS code or the provision of a payment or fee amount by Medicare does **not** make a procedure medically reasonable or necessary or a covered benefit by Medicare. (*Medicare Claims Processing Manual, Chapter 23 - Fee Schedule Administration and Coding Requirements, §30 - Services Paid Under the Medicare Physician’s Fee Schedule, A. Physician’s Services*)
- All unlisted codes are reviewed for medical necessity, correct coding, and pricing at the claim level. If an unlisted code is submitted for non-covered services addressed in this policy then it will be **denied as not covered**. If an unlisted code is submitted for potentially covered services addressed in this policy, to avoid post-service denial, **prior authorization is recommended**.
- **See the non-covered and prior authorization lists on the Company [Medical Policy, Reimbursement Policy, Pharmacy Policy and Provider Information website](#) for additional information.**
- HCPCS/CPT code(s) may be subject to National Correct Coding Initiative (NCCI) procedure-to-procedure (PTP) bundling edits and daily maximum edits known as “medically unlikely edits” (MUEs) published by the Centers for Medicare and Medicaid Services (CMS). This policy does not take precedence over NCCI edits or MUEs. Please refer to the CMS website for coding guidelines and applicable code combinations.

REFERENCES

None

POLICY REVISION HISTORY

DATE	REVISION SUMMARY
8/2022	Annual review (converted to new format 2/2023)
8/2023	Annual review; no changes
8/2024	Annual review; no changes
2/2025	Interim update; add appendices section

APPENDICES

Hyperbaric oxygen therapy (HBOT) (CPT 99183 and HCPCS G0277) may be considered medically necessary for any of the following diagnosis codes.

Appendix I: Single code requirements. One code from this list will satisfy medical necessity NCD requirements.

CODE	DESCRIPTION
A42.0	Pulmonary actinomycosis
A42.1	Abdominal actinomycosis
A42.2	Cervicofacial actinomycosis
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
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	Radiodermatitis, unspecified
M27.2	Inflammatory conditions of the jaw
M27.8	Other specified diseases of the jaw
M72.6	Necrotizing fasciitis
M86.311	Chronic multifocal osteomyelitis, right shoulder
M86.312	Chronic multifocal osteomyelitis, left shoulder
M86.321	Chronic multifocal osteomyelitis, right humerus
M86.322	Chronic multifocal osteomyelitis, left humerus
M86.331	Chronic multifocal osteomyelitis, right radius and ulna
M86.332	Chronic multifocal osteomyelitis, left radius and ulna
M86.341	Chronic multifocal osteomyelitis, right hand
M86.342	Chronic multifocal osteomyelitis, left hand
M86.351	Chronic multifocal osteomyelitis, right femur
M86.352	Chronic multifocal osteomyelitis, left femur
M86.361	Chronic multifocal osteomyelitis, right tibia and fibula
M86.362	Chronic multifocal osteomyelitis, left tibia and fibula
M86.371	Chronic multifocal osteomyelitis, right ankle and foot
M86.372	Chronic multifocal osteomyelitis, left ankle and foot
M86.38	Chronic multifocal osteomyelitis, other site
M86.39	Chronic multifocal osteomyelitis, multiple sites
M86.411	Chronic osteomyelitis with draining sinus, right shoulder
M86.412	Chronic osteomyelitis with draining sinus, left shoulder
M86.421	Chronic osteomyelitis with draining sinus, right humerus
M86.422	Chronic osteomyelitis with draining sinus, left humerus
M86.431	Chronic osteomyelitis with draining sinus, right radius and ulna
M86.432	Chronic osteomyelitis with draining sinus, left radius and ulna

M86.441	Chronic osteomyelitis with draining sinus, right hand
M86.442	Chronic osteomyelitis with draining sinus, left hand
M86.451	Chronic osteomyelitis with draining sinus, right femur
M86.452	Chronic osteomyelitis with draining sinus, left femur
M86.461	Chronic osteomyelitis with draining sinus, right tibia and fibula
M86.462	Chronic osteomyelitis with draining sinus, left 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
M86.48	Chronic osteomyelitis with draining sinus, other site
M86.49	Chronic osteomyelitis with draining sinus, multiple sites
M86.511	Other chronic hematogenous osteomyelitis, right shoulder
M86.512	Other chronic hematogenous osteomyelitis, left shoulder
M86.521	Other chronic hematogenous osteomyelitis, right humerus
M86.522	Other chronic hematogenous osteomyelitis, left humerus
M86.531	Other chronic hematogenous osteomyelitis, right radius and ulna
M86.532	Other chronic hematogenous osteomyelitis, left radius and ulna
M86.541	Other chronic hematogenous osteomyelitis, right hand
M86.542	Other chronic hematogenous osteomyelitis, left hand
M86.551	Other chronic hematogenous osteomyelitis, right femur
M86.552	Other chronic hematogenous osteomyelitis, left femur
M86.561	Other chronic hematogenous osteomyelitis, right tibia and fibula
M86.562	Other chronic hematogenous osteomyelitis, left tibia and fibula
M86.571	Other chronic hematogenous osteomyelitis, right ankle and foot
M86.572	Other chronic hematogenous osteomyelitis, left ankle and foot
M86.58	Other chronic hematogenous osteomyelitis, other site
M86.59	Other chronic hematogenous osteomyelitis, multiple sites
M86.611	Other chronic osteomyelitis, right shoulder
M86.612	Other chronic osteomyelitis, left shoulder
M86.621	Other chronic osteomyelitis, right humerus
M86.622	Other chronic osteomyelitis, left humerus
M86.631	Other chronic osteomyelitis, right radius and ulna
M86.632	Other chronic osteomyelitis, left radius and ulna
M86.641	Other chronic osteomyelitis, right hand
M86.642	Other chronic osteomyelitis, left hand
M86.651	Other chronic osteomyelitis, right thigh
M86.652	Other chronic osteomyelitis, left thigh
M86.661	Other chronic osteomyelitis, right tibia and fibula
M86.662	Other chronic osteomyelitis, left tibia and fibula
M86.671	Other chronic osteomyelitis, right ankle and foot
M86.672	Other chronic osteomyelitis, left 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
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
S57.01XA	Crushing injury of right elbow, initial encounter
S57.02XA	Crushing injury of left elbow, 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
S67.02XA	Crushing injury of left thumb
S67.190A	Crushing injury of right index finger
S67.191A	Crushing injury of left index finger
S67.192A	Crushing injury of right middle finger
S67.193A	Crushing injury of left middle finger
S67.194A	Crushing injury of right ring finger
S67.195A	Crushing injury of left ring finger
S67.196A	Crushing injury of right little finger
S67.197A	Crushing injury of left little finger
S67.21XA	Crushing injury of right hand, initial encounter
S67.22XA	Crushing injury of left hand, initial encounter
S67.31XA	Crushing injury of right wrist, initial encounter
S67.32XA	Crushing injury of left wrist, initial encounter
S67.41XA	Crushing injury of right wrist and hand, initial encounter
S67.42XA	Crushing injury of left wrist and hand, 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
S77.01XA	Crushing injury of right hip, initial encounter
S77.02XA	Crushing injury of left hip, initial encounter
S77.11XA	Crushing injury of right thigh, initial encounter

S77.12XA	Crushing injury of left 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
S87.01XA	Crushing injury of right knee, initial encounter
S87.02XA	Crushing injury of left knee, initial encounter
S87.81XA	Crushing injury of right lower leg, initial encounter
S87.82XA	Crushing injury of left lower leg, initial encounter
S97.01XA	Crushing injury of right ankle, initial encounter
S97.02XA	Crushing injury of left ankle, initial encounter
S97.111A	Crushing injury of right great toe, initial encounter
S97.112A	Crushing injury of left 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
S97.81XA	Crushing injury of right foot, initial encounter
S97.82XA	Crushing injury of left foot, initial encounter
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
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)
T87.0X1	Complications of reattached (part of) right upper extremity
T87.0X2	Complications of reattached (part of) left upper extremity
T87.1X1	Complications of reattached (part of) right lower extremity
T87.1X2	Complications of reattached (part of) left lower extremity
T87.2	Complications of other reattached body part

According to the NCD 20.29, HBOT may be considered medically necessary for individuals with diabetic wounds of the lower extremities when certain criteria are met. In order for HBOT (CPT 99183 and HCPCS G0277) to be considered medically necessary for diabetic wounds, one of the following diabetes diagnosis codes **plus** one of the following wound diagnosis codes must be used together.

Appendix II: Dual Code Requirements. A code from both Group 1 and Group 2 must be used together to satisfy medical necessity NCD requirements.

Group 1

CODE	DESCRIPTION
E10.51	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene
E10.52	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene
E10.618	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
E11.618	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
E13.618	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

Group 2

CODE	DESCRIPTION
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
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
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
I70.332	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of calf
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
I70.341	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of thigh
I70.342	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of calf
I70.343	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of ankle

170.344 Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of heel and midfoot

170.345 Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of other part of foot

170.348 Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of other part of lower leg

170.431 Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of thigh

170.432 Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of calf

170.433 Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of ankle

170.434 Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of heel and midfoot

170.435 Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of other part of foot

170.438 Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of other part of lower leg

170.441 Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of thigh

170.442 Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of calf

170.443 Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of ankle

170.444 Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of heel and midfoot

170.445 Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other part of foot

170.448 Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other part of lower leg

170.531 Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of thigh

170.532 Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of calf

170.533 Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of ankle

170.534 Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of heel and midfoot

170.535 Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of foot

170.538 Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of lower leg

170.541 Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of thigh

170.542 Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of calf

170.543 Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of ankle

170.544 Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of heel and midfoot

170.545 Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of foot

170.548 Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of lower leg

170.631	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of thigh
170.632	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of calf
170.633	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of ankle
170.634	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of heel and midfoot
170.635	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of foot
170.638	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of lower leg
170.641	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of thigh
170.642	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of calf
170.643	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of ankle
170.644	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of heel and midfoot
170.645	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of foot
170.648	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of lower leg
170.731	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of thigh
170.732	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of calf
170.733	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of ankle
170.734	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of heel and midfoot
170.735	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of foot
170.738	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of lower leg
170.741	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of thigh
170.742	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of calf
170.743	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of ankle
170.744	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of heel and midfoot
170.745	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of other part of foot
170.748	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of other part of lower leg
L97.111	Non-pressure chronic ulcer of right thigh limited to breakdown of skin
L97.112	Non-pressure chronic ulcer of right thigh with fat layer exposed
L97.113	Non-pressure chronic ulcer of right thigh with necrosis of muscle
L97.114	Non-pressure chronic ulcer of right thigh with necrosis of bone
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
L97.121	Non-pressure chronic ulcer of left thigh limited to breakdown of skin
L97.122	Non-pressure chronic ulcer of left thigh with fat layer exposed
L97.123	Non-pressure chronic ulcer of left thigh with necrosis of muscle
L97.124	Non-pressure chronic ulcer of left thigh with necrosis of bone

- 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
- L97.211 Non-pressure chronic ulcer of right calf limited to breakdown of skin
- L97.212 Non-pressure chronic ulcer of right calf with fat layer exposed
- L97.213 Non-pressure chronic ulcer of right calf with necrosis of muscle
- L97.214 Non-pressure chronic ulcer of right calf with necrosis of bone
- 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
- L97.221 Non-pressure chronic ulcer of left calf limited to breakdown of skin
- L97.222 Non-pressure chronic ulcer of left calf with fat layer exposed
- L97.223 Non-pressure chronic ulcer of left calf with necrosis of muscle
- L97.224 Non-pressure chronic ulcer of left calf with necrosis of bone
- 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
- L97.311 Non-pressure chronic ulcer of right ankle limited to breakdown of skin
- L97.312 Non-pressure chronic ulcer of right ankle with fat layer exposed
- L97.313 Non-pressure chronic ulcer of right ankle with necrosis of muscle
- L97.314 Non-pressure chronic ulcer of right ankle with necrosis of bone
- 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
- L97.321 Non-pressure chronic ulcer of left ankle limited to breakdown of skin
- L97.322 Non-pressure chronic ulcer of left ankle with fat layer exposed
- L97.323 Non-pressure chronic ulcer of left ankle with necrosis of muscle
- L97.324 Non-pressure chronic ulcer of left ankle with necrosis of bone
- 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
- L97.411 Non-pressure chronic ulcer of right heel and midfoot limited to breakdown of skin
- L97.412 Non-pressure chronic ulcer of right heel and midfoot with fat layer exposed
- L97.413 Non-pressure chronic ulcer of right heel and midfoot with necrosis of muscle
- L97.414 Non-pressure chronic ulcer of right heel and midfoot with necrosis of bone
- 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
L97.421	Non-pressure chronic ulcer of left heel and midfoot limited to breakdown of skin
L97.422	Non-pressure chronic ulcer of left heel and midfoot with fat layer exposed
L97.423	Non-pressure chronic ulcer of left heel and midfoot with necrosis of muscle
L97.424	Non-pressure chronic ulcer of left heel and midfoot with necrosis of bone
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
L97.511	Non-pressure chronic ulcer of other part of right foot limited to breakdown of skin
L97.512	Non-pressure chronic ulcer of other part of right foot with fat layer exposed
L97.513	Non-pressure chronic ulcer of other part of right foot with necrosis of muscle
L97.514	Non-pressure chronic ulcer of other part of right foot with necrosis of bone
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
L97.521	Non-pressure chronic ulcer of other part of left foot limited to breakdown of skin
L97.522	Non-pressure chronic ulcer of other part of left foot with fat layer exposed
L97.523	Non-pressure chronic ulcer of other part of left foot with necrosis of muscle
L97.524	Non-pressure chronic ulcer of other part of left foot with necrosis of bone
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
L97.811	Non-pressure chronic ulcer of other part of right lower leg limited to breakdown of skin
L97.812	Non-pressure chronic ulcer of other part of right lower leg with fat layer exposed
L97.813	Non-pressure chronic ulcer of other part of right lower leg with necrosis of muscle
L97.814	Non-pressure chronic ulcer of other part of right lower leg with necrosis of bone
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
L97.821	Non-pressure chronic ulcer of other part of left lower leg limited to breakdown of skin
L97.822	Non-pressure chronic ulcer of other part of left lower leg with fat layer exposed
L97.823	Non-pressure chronic ulcer of other part of left lower leg with necrosis of muscle
L97.824	Non-pressure chronic ulcer of other part of left lower leg with necrosis of bone
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

