



CLINICAL MEDICAL POLICY	
Policy Name:	Non-Invasive Peripheral Venous Studies (L35451)
Policy Number:	MP-067-MC-PA
Responsible Department(s):	Medical Management
Provider Notice/Issue Date:	06/01/2023; 07/01/2022; 06/18/2021; 06/29/2020; 06/17/2019; 06/01/2018
Effective Date:	07/01/2023; 08/01/2022; 07/19/2021; 07/27/2020; 06/17/2019; 06/01/2018
Next Annual Review:	05/2024
Revision Date:	05/17/2023; 05/18/2022; 05/19/2021; 05/20/2020; 04/17/2019
Products:	Pennsylvania Medicare Assured
Application:	All participating and nonparticipating practitioners and facilities unless contractually precluded
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Policy History

Date	Activity
07/01/2023	Provider Effective date
05/17/2023	QI/UM Committee review
05/17/2023	Annual Review: No changes to clinical criteria. Updated 'Reference Sources' section.
08/01/2022	Provider Effective date
05/18/2022	QI/UM Committee review
05/18/2022	Annual Review: No changes to clinical criteria. Updated CMS hyperlinks. The following CPT codes have been added to the statement regarding the use of ICD-10-CM code Z09: 36473, 36474, 36482, and 36483. These CPT codes have been added to the asterisk note for "Group 1 for Medical Necessity" under ICD-10-CM codes Asterisk Explanation. Updated Reference Sources section.
07/19/2021	Provider Effective Date
05/19/2021	QI/UM Committee review
05/19/2021	Annual Review: New Medicare policy format implemented. Added diagnosis codes I87.301, I87.302, I87.303, I87.003, and L97.814.
07/27/2020	Provider effective date
05/20/2020	QI/UM Committee review
05/20/2020	Annual Review: No changes to the clinical criteria; removed hyperlinks; formatting changes; coding updates-HCPCS code G0365was deleted and replaced with CPT codes

	93985 & 93986, effective 1/1/2020; updated Group 1 ICD-10 Diagnosis codes with the addition of: I26.93 and I26.94, I80.241-I80.243, I80.261-I80.253, I82.451-I82.453, I82.461-I82-463, I82.551-I82.553, I82.561-I82.563 & L97.424.
06/17/2019	Provider Effective Date
04/17/2019	QI/UM Committee review
04/17/2019	Annual Review: No criteria changes; Added 'Coverage Indications, Limitations, and/or Medical Necessity' statement on pg.2; Added an local coverage article link under coverage determination, which discusses the billing and coding; Added the coding exceptions to the operational guidelines in the 4 bullets under the postservice, prepayment statement; Added a 4 th attachment and reorganized the new attachment as 'Attachment C' and the references are located in 'Attachment D'; Added updated LCD link and removed old LCD link; formatting changes.
06/01/2018	Provider effective date
05/02/2018	Revision: Removed the word 'Covered' from the procedure and diagnosis code tables in Attachment B
03/21/2018	QI/UM Committee review
02/08/2018	Initial policy developed

Disclaimer

Highmark WholecareSM medical policy is intended to serve only as a general reference resource regarding coverage for the services described. This policy does not constitute medical advice and is not intended to govern or otherwise influence medical decisions.

Policy Statement

Highmark WholecareSM may provide coverage under the medical-surgical benefits of the Company's Medicare products for medically necessary non-invasive peripheral venous studies.

This policy is designed to address medical necessity guidelines that are appropriate for the majority of individuals with a particular disease, illness or condition. Each person's unique clinical circumstances warrant individual consideration, based upon review of applicable medical records.

Procedures

1. Please review the specific National Coverage Determination (NCD), Local Coverage Determination (LCD) and/or Local Coverage Article (LCA) information, as well as other CMS sources, using the links below.
2. Post-payment Audit Statement
The medical record must include documentation that reflects the medical necessity criteria and is subject to audit by Highmark WholecareSM at any time pursuant to the terms of your provider agreement.

3. Place of Service

- Please refer to the NCD, LCD, LCA, or CMS guidelines for the proper place of service for non-invasive peripheral venous studies.

Coverage Determination and Links

Highmark WholecareSM follows the coverage determinations made by CMS as outlined in either the NCD and/or the state-specific LCD/LCA.

CMS Link

- [CMS Website](#)

LCD Link

- There are no current NCDs related to this topic.
- LCD: [Non-Invasive Peripheral Venous Studies \(L35451\)](#)

Article Link

- LCA: [Billing and Coding: Non-Invasive Peripheral Venous Studies \(A52993\)](#)

Reference Sources

The Centers for Medicare and Medicaid Services (CMS). Local Coverage Determination (LCD) Non-Invasive Peripheral Venous Studies (L35451). Original Effective Date October 1, 2015. Revision Effective date December 17, 2020. Accessed on April 27, 2023.

The Centers for Medicare and Medicaid Services (CMS). Local Coverage Article (LCA) Billing and Coding: Non-Invasive Peripheral Venous Studies (A52993). Original Effective Date October 1, 2015. Revision Effective March 18, 2021. Accessed on April 28, 2022.

Reimbursement

Participating facilities will be reimbursed per their Highmark WholecareSM contract.

Coding Requirements

Procedure Codes

Group 1 Codes:

CPT Code	Description
93970	Duplex scan of extremity veins including responses to compression and other maneuvers; complete bilateral study
93971	Duplex scan of extremity veins including responses to compression and other maneuvers; unilateral or limited study

Group 2 Codes:

CPT Code	Description
93985	Duplex scan of arterial inflow and venous outflow for preoperative vessel assessment prior to creation of hemodialysis access; complete bilateral study
93986	Duplex scan of arterial inflow and venous outflow for preoperative vessel assessment prior to creation of hemodialysis access; complete unilateral study

ICD-10 Codes that Support Medical Necessity

Group 1 Codes:

Diagnosis Codes for Procedure Codes **93970** and **93971**

ICD-10 Code	Description
I26.01	Septic pulmonary embolism with acute cor pulmonale
I26.02	Saddle embolus of pulmonary artery with acute cor pulmonale
I26.09	Other pulmonary embolism with acute cor pulmonale
I26.90	Septic pulmonary embolism without acute cor pulmonale
I26.92	Saddle embolus of pulmonary artery without acute cor pulmonale
I26.93	Single subsegmental pulmonary embolism without acute cor pulmonale
I26.94	Multiple subsegmental pulmonary emboli without acute cor pulmonale
I26.99	Other pulmonary embolism without acute cor pulmonale
I74.9*	Embolism and thrombosis of unspecified artery
I80.01	Phlebitis and thrombophlebitis of superficial vessels of right lower extremity
I80.02	Phlebitis and thrombophlebitis of superficial vessels of left lower extremity
I80.03	Phlebitis and thrombophlebitis of superficial vessels of lower extremities, bilateral
I80.11	Phlebitis and thrombophlebitis of right femoral vein
I80.12	Phlebitis and thrombophlebitis of left femoral vein
I80.13	Phlebitis and thrombophlebitis of femoral vein, bilateral
I80.211	Phlebitis and thrombophlebitis of right iliac vein
I80.212	Phlebitis and thrombophlebitis of left iliac vein
I80.213	Phlebitis and thrombophlebitis of iliac vein, bilateral
I80.221	Phlebitis and thrombophlebitis of right popliteal vein
I80.222	Phlebitis and thrombophlebitis of left popliteal vein

180.223	Phlebitis and thrombophlebitis of popliteal vein, bilateral
180.231	Phlebitis and thrombophlebitis of right tibial vein
180.232	Phlebitis and thrombophlebitis of left tibial vein
180.233	Phlebitis and thrombophlebitis of tibial vein, bilateral
180.241	Phlebitis and thrombophlebitis of right peroneal vein
180.242	Phlebitis and thrombophlebitis of left peroneal vein
180.243	Phlebitis and thrombophlebitis of peroneal vein, bilateral
180.251	Phlebitis and thrombophlebitis of right calf muscular vein
180.252	Phlebitis and thrombophlebitis of left calf muscular vein
180.253	Phlebitis and thrombophlebitis of muscular vein, bilateral
180.291	Phlebitis and thrombophlebitis of other deep vessels of right lower extremity
180.292	Phlebitis and thrombophlebitis of other deep vessels of left lower extremity
180.293	Phlebitis and thrombophlebitis of other deep vessels of lower extremity, bilateral
180.8	Phlebitis and thrombophlebitis of other sites
182.1	Thrombophlebitis migrans
182.220	Acute embolism and thrombosis of inferior vena cava
182.411	Acute embolism and thrombosis of right femoral vein
182.412	Acute embolism and thrombosis of left femoral vein
182.413	Acute embolism and thrombosis of femoral vein, bilateral
182.421	Acute embolism and thrombosis of right iliac vein
182.422	Acute embolism and thrombosis of left iliac vein
182.423	Acute embolism and thrombosis of iliac vein, bilateral
182.431	Acute embolism and thrombosis of right popliteal vein
182.432	Acute embolism and thrombosis of left popliteal vein
182.433	Acute embolism and thrombosis of popliteal vein, bilateral
182.441	Acute embolism and thrombosis of right tibial vein
182.442	Acute embolism and thrombosis of left tibial vein
182.443	Acute embolism and thrombosis of tibial vein, bilateral
182.451	Acute embolism and thrombosis of right peroneal vein
182.452	Acute embolism and thrombosis of left peroneal vein
182.453	Acute embolism and thrombosis peroneal vein, bilateral
182.461	Acute embolism and thrombosis of right calf muscular vein
182.462	Acute embolism and thrombosis of left calf muscular vein
182.463	Acute embolism and thrombosis calf muscular vein, bilateral
182.491	Acute embolism and thrombosis of other specified deep vein of right lower extremity
182.492	Acute embolism and thrombosis of other specified deep vein of left lower extremity
182.493	Acute embolism and thrombosis of other specified deep vein of lower extremity, bilateral
182.511	Chronic embolism and thrombosis of right femoral vein
182.512	Chronic embolism and thrombosis of left femoral vein
182.513	Chronic embolism and thrombosis of femoral vein, bilateral
182.521	Chronic embolism and thrombosis of right iliac vein
182.522	Chronic embolism and thrombosis of left iliac vein
182.523	Chronic embolism and thrombosis of iliac vein, bilateral

I82.531	Chronic embolism and thrombosis of right popliteal vein
I82.532	Chronic embolism and thrombosis of popliteal vein, bilateral
I82.533	Chronic embolism and thrombosis of popliteal vein, bilateral
I82.541	Chronic embolism and thrombosis of right tibial vein
I82.542	Chronic embolism and thrombosis of left tibial vein
I82.543	Chronic embolism and thrombosis of tibial vein, bilateral
I82.551	Chronic embolism and thrombosis of right peroneal vein
I82.552	Chronic embolism and thrombosis of left peroneal vein
I82.553	Chronic embolism and thrombosis of peroneal vein, bilateral
I82.561	Chronic embolism and thrombosis of right calf muscular vein
I82.562	Chronic embolism and thrombosis of left calf muscular vein
I82.563	Chronic embolism and thrombosis of calf muscular vein, bilateral
I82.591	Chronic embolism and thrombosis of other specified deep vein of right lower extremity
I82.592	Chronic embolism and thrombosis of other specified deep vein of left lower extremity
I82.593	Chronic embolism and thrombosis of other specified deep vein of lower extremity, bilateral
I82.611	Acute embolism and thrombosis of superficial veins of right upper extremity
I82.612	Acute embolism and thrombosis of superficial veins of left upper extremity
I82.613	Acute embolism and thrombosis of superficial veins of upper extremity, bilateral
I82.621	Acute embolism and thrombosis of deep veins of right upper extremity
I82.622	Acute embolism and thrombosis of deep veins of left upper extremity
I82.623	Acute embolism and thrombosis of deep veins of upper extremity, bilateral
I82.711	Chronic embolism and thrombosis of superficial veins of right upper extremity
I82.712	Chronic embolism and thrombosis of superficial veins of left upper extremity
I82.713	Chronic embolism and thrombosis of superficial veins of upper extremity, bilateral
I82.721	Chronic embolism and thrombosis of deep veins of right upper extremity
I82.722	Chronic embolism and thrombosis of deep veins of left upper extremity
I82.723	Chronic embolism and thrombosis of deep veins of upper extremity, bilateral
I82.A11	Acute embolism and thrombosis of right axillary vein
I82.A12	Acute embolism and thrombosis of left axillary vein
I82.A13	Acute embolism and thrombosis of axillary vein, bilateral
I82.A21	Chronic embolism and thrombosis of right axillary vein
I82.A22	Chronic embolism and thrombosis of left axillary vein
I82.A23	Chronic embolism and thrombosis of axillary vein, bilateral
I82.C11	Acute embolism and thrombosis of right internal jugular vein
I82.C12	Acute embolism and thrombosis of left internal jugular vein
I82.C13	Acute embolism and thrombosis of internal jugular vein, bilateral
I82.C21	Chronic embolism and thrombosis of right internal jugular vein
I82.C22	Chronic embolism and thrombosis of left internal jugular vein
I82.C23	Chronic embolism and thrombosis of internal jugular vein, bilateral
I82.811	Embolism and thrombosis of superficial veins of right lower extremity
I82.812	Embolism and thrombosis of superficial veins of left lower extremity
I82.813	Embolism and thrombosis of superficial veins of lower extremities, bilateral
I82.890	Acute embolism and thrombosis of other specified veins

I82.891	Chronic embolism and thrombosis of other specified veins
I83.011	Varicose veins of right lower extremity with ulcer of thigh
I83.012	Varicose veins of right lower extremity with ulcer of calf
I83.013	Varicose veins of right lower extremity with ulcer of ankle
I83.014	Varicose veins of right lower extremity with ulcer of heel and midfoot
I83.015	Varicose veins of right lower extremity with ulcer other part of foot
I83.018	Varicose veins of right lower extremity with ulcer other part of lower leg
I83.021	Varicose veins of left lower extremity with ulcer of thigh
I83.022	Varicose veins of left lower extremity with ulcer of calf
I83.023	Varicose veins of left lower extremity with ulcer of ankle
I83.024	Varicose veins of left lower extremity with ulcer of heel and midfoot
I83.025	Varicose veins of left lower extremity with ulcer other part of foot
I83.028	Varicose veins of left lower extremity with ulcer other part of lower leg
I83.11	Varicose veins of right lower extremity with inflammation
I83.12	Varicose veins of left lower extremity with inflammation
I83.211	Varicose veins of right lower extremity with both ulcer of thigh and inflammation
I83.212	Varicose veins of right lower extremity with both ulcer of calf and inflammation
I83.213	Varicose veins of right lower extremity with both ulcer of ankle and inflammation
I83.214	Varicose veins of right lower extremity with both ulcer of heel and midfoot and inflammation
I83.215	Varicose veins of right lower extremity with both ulcer other part of foot and inflammation
I83.218	Varicose veins of right lower extremity with both ulcer of other part of lower extremity and inflammation
I83.221	Varicose veins of left lower extremity with both ulcer of thigh and inflammation
I83.222	Varicose veins of left lower extremity with both ulcer of calf and inflammation
I83.223	Varicose veins of left lower extremity with both ulcer of ankle and inflammation
I83.224	Varicose veins of left lower extremity with both ulcer of heel and midfoot and inflammation
I83.225	Varicose veins of left lower extremity with both ulcer other part of foot and inflammation
I83.228	Varicose veins of left lower extremity with both ulcer of other part of lower extremity and inflammation
I83.811	Varicose veins of right lower extremity with pain
I83.812	Varicose veins of left lower extremity with pain
I83.813	Varicose veins of bilateral lower extremities with pain
I83.891	Varicose veins of right lower extremity with other complications
I83.892	Varicose veins of left lower extremity with other complications
I83.893	Varicose veins of bilateral lower extremities with other complications
I87.001	Postthrombotic syndrome without complications of right lower extremity
I87.002	Postthrombotic syndrome without complications of left lower extremity
I87.003	Postthrombotic syndrome without complications of bilateral lower extremity
I87.011	Postthrombotic syndrome with ulcer of right lower extremity
I87.012	Postthrombotic syndrome with ulcer of left lower extremity
I87.013	Postthrombotic syndrome with ulcer of bilateral lower extremity
I87.021	Postthrombotic syndrome with inflammation of right lower extremity
I87.022	Postthrombotic syndrome with inflammation of left lower extremity
I87.023	Postthrombotic syndrome with inflammation of bilateral lower extremity

I87.031	Postthrombotic syndrome with ulcer and inflammation of right lower extremity
I87.032	Postthrombotic syndrome with ulcer and inflammation of left lower extremity
I87.033	Postthrombotic syndrome with ulcer and inflammation of bilateral lower extremity
I87.091	Postthrombotic syndrome with other complications of right lower extremity
I87.092	Postthrombotic syndrome with other complications of left lower extremity
I87.093	Postthrombotic syndrome with other complications of bilateral lower extremity
I87.1	Compression of vein
I87.2	Venous insufficiency (chronic) (peripheral)
I87.301	Chronic venous hypertension (idiopathic) without complications of right lower extremity
I87.302	Chronic venous hypertension (idiopathic) without complications of left lower extremity
I87.303	Chronic venous hypertension (idiopathic) without complications of bilateral lower extremity
I87.311	Chronic venous hypertension (idiopathic) with ulcer of right lower extremity
I87.312	Chronic venous hypertension (idiopathic) with ulcer of left lower extremity
I87.313	Chronic venous hypertension (idiopathic) with ulcer of bilateral lower extremity
I87.321	Chronic venous hypertension (idiopathic) with inflammation of right lower extremity
I87.322	Chronic venous hypertension (idiopathic) with inflammation of left lower extremity
I87.323	Chronic venous hypertension (idiopathic) with inflammation of bilateral lower extremity
I87.331	Chronic venous hypertension (idiopathic) with ulcer and inflammation of right lower extremity
I87.332	Chronic venous hypertension (idiopathic) with ulcer and inflammation of left lower extremity
I87.333	Chronic venous hypertension (idiopathic) with ulcer and inflammation of bilateral lower extremity
I87.391	Chronic venous hypertension (idiopathic) with other complications of right lower extremity
I87.392	Chronic venous hypertension (idiopathic) with other complications of left lower extremity
I87.393	Chronic venous hypertension (idiopathic) with other complications of bilateral lower extremity
I96	Gangrene, not elsewhere classified
J80	Acute respiratory distress syndrome
J96.00	Acute respiratory failure, unspecified whether with hypoxia or hypercapnia
J96.01	Acute respiratory failure with hypoxia
J96.02	Acute respiratory failure with hypercapnia
J96.90	Respiratory failure, unspecified, unspecified whether with hypoxia or hypercapnia
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
L97.119	Non-pressure chronic ulcer of right thigh with unspecified 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
L97.129	Non-pressure chronic ulcer of left thigh with unspecified 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
L97.219	Non-pressure chronic ulcer of right calf with unspecified 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
L97.229	Non-pressure chronic ulcer of left calf with unspecified 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
L97.319	Non-pressure chronic ulcer of right ankle with unspecified 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
L37.326	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
L97.329	Non-pressure chronic ulcer of left ankle with unspecified 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
L97.419	Non-pressure chronic ulcer of right heel and midfoot with unspecified 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
L97.429	Non-pressure chronic ulcer of left heel and midfoot with unspecified 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
L97.519	Non-pressure chronic ulcer of other part of right foot with unspecified 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
L97.529	Non-pressure chronic ulcer of other part of left foot with unspecified 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
L97.819	Non-pressure chronic ulcer of other part of right lower leg with unspecified 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
L97.829	Non-pressure chronic ulcer of other part of left lower leg with unspecified severity
M71.21	Synovial cyst of popliteal space [Baker], right knee
M71.22	Synovial cyst of popliteal space [Baker], left knee
M79.601	Pain in right arm
M79.602	Pain in left arm
M79.604	Pain in right leg
M79.605	Pain in left leg
M79.621	Pain in right upper arm
M79.622	Pain in left upper arm
M79.631	Pain in right forearm
M79.632	Pain in left forearm
M79.641	Pain in right hand
M79.642	Pain in left hand
M79.644	Pain in right finger(s)
M79.645	Pain in left finger(s)
M79.651	Pain in right thigh
M79.652	Pain in left thigh
M79.661	Pain in right lower leg
M79.662	Pain in left lower leg
M79.671	Pain in right foot
M79.672	Pain in left foot
M79.674	Pain in right toe(s)
M79.675	Pain in left toe(s)
O22.21	Superficial thrombophlebitis in pregnancy, first trimester
O22.22	Superficial thrombophlebitis in pregnancy, second trimester
O22.23	Superficial thrombophlebitis in pregnancy, third trimester
O22.31	Deep phlebothrombosis in pregnancy, first trimester
O22.32	Deep phlebothrombosis in pregnancy, second trimester
O22.33	Superficial thrombophlebitis in pregnancy, third trimester
O87.0	Superficial thrombophlebitis in the puerperium
O87.1	Deep phlebothrombosis in the puerperium
O88.211	Thromboembolism in pregnancy, first trimester
O88.212	Thromboembolism in pregnancy, second trimester
O88.213	Thromboembolism in pregnancy, third trimester
O88.22	Thromboembolism in childbirth
O88.23	Thromboembolism in the puerperium
Q27.31	Arteriovenous malformation of vessel of upper limb
Q27.32	Arteriovenous malformation of vessel of lower limb
Q27.8	Other specified congenital malformations of peripheral vascular system
R04.2	Hemoptysis

R06.00	Dyspnea, unspecified
R06.02	Shortness of breath
R06.09	Other forms of dyspnea
R06.82	Tachypnea, not elsewhere classified
R07.1	Chest pain on breathing
R07.81	Pleurodynia
R07.82	Intercostal pain
R07.89	Other chest pain
R07.9	Chest pain, unspecified
R22.31	Localized swelling, mass and lump, right upper limb
R22.32	Localized swelling, mass and lump, left upper limb
R22.33	Localized swelling, mass and lump, upper limb, bilateral
R22.41	Localized swelling, mass and lump, right lower limb
R22.42	Localized swelling, mass and lump, left lower limb
R22.43	Localized swelling, mass and lump, lower limb, bilateral
R60.0	Localized edema
R60.1	Generalized edema
R60.9	Edema, unspecified
T80.0XXA	Air embolism following infusion, transfusion and therapeutic injection, initial encounter
T80.1XXA	Vascular complications following infusion, transfusion and therapeutic injection, initial encounter
T81.72XA	Complication of vein following a procedure, not elsewhere classified, initial encounter
Z01.810*	Encounter for preprocedural cardiovascular examination
Z01.818*	Encounter for other preprocedural examination
Z09*	Encounter for follow-up examination after completed treatment for conditions other than malignant neoplasm

Group 1 Medical Necessity ICD-10 Codes Asterisk Explanation:

***Note:**

- ICD-10-CM code I74.9 to report paradoxical embolism.
- ICD-10-CM code Z01.810 is only covered for CPT code 93971.
- ICD-10-CM code Z01.818 is covered for either CPT/HCPCS code 93971, 93985, or 93986 only.
- Use ICD-10-CM code Z09 only to describe a limited venous duplex (CPT code 93971) performed within 72 hours of a saphenous vein ablation procedure (CPT codes 36473, 36474, 36475, 36476, 36478, 36479, 36482, or 36483).

Group 2 Codes:

Diagnosis Codes for Procedure Code **93985** and **93986**

ICD-10 Code	Description
N18.4	Chronic kidney disease, stage 4 (severe)
N18.5	Chronic kidney disease, stage 5
N18.6	End stage renal disease
Z01.818*	Encounter for other preprocedural examination

Group 2 Medical Necessity ICD-10 Codes Asterisk Explanation:

***Note:**

- CPT codes 93985 and 93986 reported with ICD-10-CM code Z01.818 requires a secondary diagnosis code of N18.4, N18.5, or N18.6.
- ICD-10-CM code Z01.818 is covered for either CPT codes 93971, 93985 or 93986 only.