

Supplementary Table I (online only). International Classification of Diseases, Ninth Revision (ICD-9) codes

ICD-9	Corresponding diagnosis
PAD diagnosis	
Other peripheral vascular disease	
443.89	Other specified peripheral vascular disease
443.9	Peripheral vascular disease, unspecified
Atherosclerosis	
440.20	Atherosclerosis of the native arteries and extremities
440.21	Atherosclerosis of the native arteries and extremities with intermittent claudication
440.4	Chronic total occlusion of the artery of the extremities
440.9	Generalized and unspecified atherosclerosis
Diabetes with peripheral circulatory disorders	
249.7	Secondary diabetes mellitus with peripheral circulatory disorders, not stated as uncontrolled or unspecified
249.71	Secondary diabetes mellitus with peripheral circulatory disorders, uncontrolled
250.70	Diabetes with peripheral circulatory disorders, type II or unspecified type, not stated as controlled
250.71	Diabetes with peripheral circulatory disorders, type I [juvenile type], not stated as uncontrolled
250.72	Diabetes with peripheral circulatory disorders, type II or unspecified type, uncontrolled
250.73	Diabetes with peripheral circulatory disorders, type I [juvenile type], uncontrolled
CLI diagnosis	
Pain in limb	Use of 729.5 requires one or more of the codes 440.2-400.24 italicized below
729.5	Pain in Limb
440.20	<i>Atherosclerosis of the native arteries and extremities</i>
440.21	<i>Atherosclerosis of the native arteries and extremities with intermittent claudication</i>
440.22	<i>Other atherosclerosis of the native arteries and extremities with rest pain</i>
440.23	<i>Atherosclerosis of native arteries of the extremities with ulceration</i>
440.24	<i>Atherosclerosis of native arteries of the extremities with gangrene</i>
Ulcer of lower limb	Use of 707 codes below requires one or more of the italicized codes 404.2-440.24
707.1	Ulcer of lower limbs, except decubitus ulcer
707.10	Ulcer of lower limb, unspecified
707.13	Ulcer of ankle
707.14	Ulcer of heel and midfoot
707.15	Ulcer of other part of foot
707.19	Ulcer of other part of lower limb
707.9	Chronic ulcer of unspecified site
440.20	<i>Atherosclerosis of the native arteries and extremities</i>
440.21	<i>Atherosclerosis of the native arteries and extremities with intermittent claudication</i>
440.22	<i>Other atherosclerosis of the native arteries and extremities with rest pain</i>
440.23	<i>Atherosclerosis of native arteries of the extremities with ulceration</i>
440.24	<i>Atherosclerosis of native arteries of the extremities with gangrene</i>
Atherosclerosis with rest pain, gangrene, or ulceration	
440.22	Atherosclerosis of native arteries of the extremities with rest pain
440.23	Atherosclerosis of native arteries of the extremities with ulceration
440.24	Atherosclerosis of native arteries of the extremities with gangrene

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Supplementary Table I (online only). Continued.

ICD-9	Corresponding diagnosis
Excision/débridement	Use of excision/débridement codes below requires one or more of the italicized codes 404.2-440.24
77.65	Local excision of lesion or tissue of bone, femur
77.66	Local excision of lesion or tissue of bone, patella
77.67	Local excision of lesion or tissue of bone, tibia and fibula
77.68	Local excision of lesion or tissue of bone, tarsals and metatarsals
86.22	Excisional débridement of wound, infection, or burn
99.10	Injection or infusion of thrombolytic agent
440.20	<i>Atherosclerosis of the native arteries and extremities</i>
440.21	<i>Atherosclerosis of the native arteries and extremities with intermittent claudication</i>
440.22	<i>Other atherosclerosis of the native arteries and extremities with rest pain</i>
440.23	<i>Atherosclerosis of native arteries of the extremities with ulceration</i>
440.24	<i>Atherosclerosis of native arteries of the extremities with gangrene</i>
Lower extremity revascularization	
Peripheral bypass	
39.25	Aorta-iliac-femoral bypass
39.29	Other (peripheral) vascular shunt or bypass
Endarterectomy	
38.18	Endarterectomy, lower limb arteries
38.38	Resection of vessel with anastomosis, lower limb arteries
38.68	Other excision of vessels, lower limb arteries
Lower extremity amputation	
Amputation	Use of amputation codes below requires one or more of the italicized codes 404.2-440.24
84.10	Lower limb amputation, not otherwise specified
84.12	Amputation through foot
84.14	Amputation of ankle through malleoli of tibia and fibula
84.15	Other amputation below knee
84.17	Amputation above knee
84.3	Revision of amputation stump
84.91	Amputation, not otherwise specified
84.11	Amputation of toe
440.20	<i>Atherosclerosis of the native arteries and extremities</i>
440.21	<i>Atherosclerosis of the native arteries and extremities with intermittent claudication</i>
440.22	<i>Other atherosclerosis of the native arteries and extremities with rest pain</i>
440.23	<i>Atherosclerosis of native arteries of the extremities with ulceration</i>
440.24	<i>Atherosclerosis of native arteries of the extremities with gangrene</i>
Disarticulation	Use of disarticulation codes below requires one or more of the italicized codes 404.2-440.24
84.13	Disarticulation of ankle
84.16	Disarticulation of knee
84.18	Disarticulation of hip
440.20	<i>Atherosclerosis of the native arteries and extremities</i>
440.21	<i>Atherosclerosis of the native arteries and extremities with intermittent claudication</i>
440.22	<i>Other atherosclerosis of the native arteries and extremities with rest pain</i>
440.23	<i>Atherosclerosis of native arteries of the extremities with ulceration</i>
440.24	<i>Atherosclerosis of native arteries of the extremities with gangrene</i>

CLI, Critical limb ischemia; PAD, peripheral artery disease.

Supplementary Table II (online only). Current Procedural Terminology (CPT) codes

Category	CPT code	Description
Major amputation		
Above knee amputation		
	27590	Above knee amputation: thigh, through femur, any level
	27591	Above knee amputation: thigh, through femur with immediate prosthetic
	27592	Above knee amputation: thigh, through femur, any level guillotine
Below knee amputation		
	27880	Below knee amputation: leg, through tibia and fibula
	27881	Below knee amputation: leg, through tibia and fibula with immediate prosthetic
	27882	Below knee amputation: leg, through tibia and fibula, guillotine
Open procedures		
Inflow		
	35521	Bypass graft, with vein; axillary-femoral
	35351	Thromboendarterectomy, including patch graft, if performed; iliac
	35355	Thromboendarterectomy, including patch graft, if performed; iliofemoral
	35361	Thromboendarterectomy, including patch graft, if performed; combined aortoiliac
	35363	Thromboendarterectomy, including patch graft, if performed; combined aortoiliofemoral
	35537	Aortoiliac bypass
	35538	Bypass graft, with vein; aortobi-iliac
	35539	Bypass graft, with vein; aortofemoral
	35540	Bypass graft, with vein; aortobifemoral
	35541	Bypass graft, with vein
	35546	Aortofemoral bypass with vein
	35539	Aortofemoral graft with vein. For aortofemoral graft with vein
	35548	Bypass graft, with vein; aortoiliofemoral, unilateral
	35549	Bypass graft, with vein; aortoiliofemoral, bilateral
	35551	Bypass graft, with vein; aortofemoral-popliteal
	35563	Bypass graft, with vein; ilioiliac
	35565	Bypass graft, with vein; iliofemoral
	35621	Bypass graft, with other than vein; axillary-femoral
	35623	Bypass graft, with other than vein; axillary-popliteal or -tibial
	35637	Bypass graft, with other than vein; aortoiliac
	35638	Bypass graft, with other than vein; aortobi-iliac
	35646	Bypass graft, with other than vein; aortobifemoral
	35647	Bypass graft, with other than vein; aortofemoral
	35651	Bypass graft, with other than vein; aortofemoral-popliteal
	35654	Bypass graft, with other than vein; axillary-femoral-femoral
	35661	Bypass graft, with other than vein; femoral-femoral
	35663	Bypass graft, with other than vein; ilioiliac
	35665	Bypass graft, with other than vein; iliofemoral
Outflow procedure		
	35302	Thromboendarterectomy, including patch graft, if performed; superficial femoral artery
	35303	Thromboendarterectomy, including patch graft, if performed; popliteal artery
	35304	Thromboendarterectomy, including patch graft, if performed; tibioperoneal trunk artery
	35305	Thromboendarterectomy, including patch graft, if performed; tibial or peroneal artery

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Supplementary Table II (online only). Continued.

Category	CPT code	Description
	35306	Thromboendarterectomy, including patch graft, if performed; each additional tibial
	35371	Thromboendarterectomy, including patch graft, if performed; common femoral
	35372	Thromboendarterectomy, including patch graft, if performed; deep (profunda) femoral
	35533	Bypass graft, with vein; axillary-femoral-femoral
	35556	Bypass graft, with vein; femoral-popliteal
	35558	Bypass graft, with vein; femoral-femoral
	35566	Bypass graft, with vein; femoral-anterior tibial, posterior tibial, peroneal artery
	35571	Bypass graft, with vein; popliteal-tibial, -peroneal artery or other distal vessels
	35583	In-situ vein bypass; femoral-popliteal
	35585	In-situ vein bypass; femoral-anterior tibial, posterior tibial, or peroneal artery
	35587	In-situ vein bypass; popliteal-tibial, peroneal
	35656	Bypass graft, with other than vein; femoral-popliteal
	35666	Bypass graft, with other than vein; femoral-anterior tibial, posterior tibial, or peroneal artery
	35671	Bypass graft, with other than vein; popliteal-tibial or -peroneal artery
	35681	Bypass graft; composite, prosthetic and vein
	35682	Bypass graft; autogenous composite, two segments of veins from two locations
	35683	Bypass graft; autogenous composite, three or more segments of vein
Endovascular procedure		
Inflow		
	35452	Transluminal balloon angioplasty, open; aortic
	35454	Transluminal balloon angioplasty, open; iliac
	35472	Transluminal balloon angioplasty, percutaneous; aortic
	35473	Transluminal balloon angioplasty, percutaneous; iliac
	35481	Transluminal peripheral atherectomy, open; aortic
	35482	Transluminal peripheral atherectomy, open; iliac
	35491	Transluminal peripheral atherectomy, percutaneous; aortic
	35492	Transluminal peripheral atherectomy, percutaneous; iliac
Outflow procedure		
	35456	Transluminal balloon angioplasty, open; femoral-popliteal
	35459	Transluminal balloon angioplasty, open; tibioperoneal trunk and branches
	35470	Transluminal balloon angioplasty, percutaneous; tibioperoneal trunk or branches, each vessel
	35474	Transluminal balloon angioplasty, percutaneous; femoral-popliteal
	35483	Transluminal peripheral atherectomy, open; femoral-popliteal
	35485	Transluminal peripheral atherectomy, open; tibioperoneal trunk and branches
	35493	Transluminal peripheral atherectomy, percutaneous; femoral-popliteal
	35495	Transluminal peripheral atherectomy, percutaneous; tibioperoneal trunk and branches
	37205	Transcatheter placement of an intravascular stent(s), (except coronary, carotid, and vertebral vessel), percutaneous; initial vessels
	37206	Transcatheter placement of an intravascular stent(s), (except coronary, carotid, and vertebral vessel), percutaneous
	37207	Transcatheter placement of an intravascular stent(s), (noncoronary vessel), open; initial vessel
	37208	Transcatheter placement of an intravascular stent(s), (noncoronary vessel), open; each additional vessel each additional vessel

Supplementary Table III (online only). Number of events of primary and secondary outcomes stratified by data source

1-Year follow-up	Combined data (VA and Medicare), No. (%)	VA only, No. (%)	Medicare only, No. (%)	Additional Medicare cases not identified using VA data, No. (% of combined)
Mortality	9182 (8.9)	8853 (8.6)	9176 (8.9)	329 (3.6)
Revascularization	1870 (1.8)	1667 (1.6)	205 (0.2)	203 (10.9)
Amputation	849 (0.8)	823 (0.8)	26 (0.03)	26 (3.1)
Hospitalization for CLI	1444 (1.4)	1078 (1.1)	203 (0.2)	186 (14.7)

CLI, Critical limb ischemia; VA, Veterans Affairs.

Number of events of primary and secondary outcomes stratified by data source (VA, Medicare, combined VA and Medicare) within the subgroup of patients aged 66 years or older who were Medicare eligible and had available Medicare claims (n = 102,708 patients).