

Supervised Exercise Therapy (SET) for Symptomatic Peripheral Artery Disease (PAD)

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Definitions

Research has shown SET to be an effective, minimally invasive method to alleviate the most common symptom associated with PAD (IC). SET has been shown to be significantly more effective than unsupervised exercise, and could prevent the progression of PAD and lower the risk of cardiovascular events that are prevalent in these patients. SET has also been shown to perform at least as well as more invasive revascularization treatment.

Guideline

Supervised exercise therapy (SET) for members with intermittent claudication (IC) for the treatment of symptomatic peripheral artery disease (PAD) is considered medically necessary.

Up to 36 sessions over a 12 week period are covered if **all** of the following components of a SET program are met:

The SET program must:

- consist of sessions lasting 30–60 minutes comprising a therapeutic exercise-training program for PAD in patients with claudication;
- be conducted in a hospital outpatient setting, or a physician's office;
- be delivered by qualified auxiliary personnel necessary to ensure benefits exceed harms, and who are trained in exercise therapy for PAD; and
- be under the direct supervision of a physician (as defined in 1861(r)(1)), physician assistant, or nurse practitioner/clinical nurse specialist (as identified in 1861(aa)(5)) who must be trained in both basic and advanced life support techniques.

Members must have a face-to-face visit with the physician responsible for PAD treatment to obtain the referral for SET. At this visit, the beneficiary must receive information regarding cardiovascular disease and PAD risk factor reduction, which could include education, counseling, behavioral interventions, and outcome assessments.

Limitations/Exclusions

SET is non-covered for members with absolute contraindications to exercise as determined by their primary physician.

Applicable Procedure Codes

93668	Peripheral arterial disease (PAD) rehabilitation, per session
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Applicable Diagnosis Codes

E08.51	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy without gangrene
E09.51	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy without gangrene
E10.51	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene
E11.51	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene
E13.51	Other specified diabetes mellitus with diabetic peripheral angiopathy without gangrene
I70.201	Unspecified atherosclerosis of native arteries of extremities, right leg
I70.202	Unspecified atherosclerosis of native arteries of extremities, left leg
I70.203	Unspecified atherosclerosis of native arteries of extremities, bilateral legs
I70.208	Unspecified atherosclerosis of native arteries of extremities, other extremity
I70.209	Unspecified atherosclerosis of native arteries of extremities, unspecified extremity
I70.211	Atherosclerosis of native arteries of extremities with intermittent claudication, right leg
I70.212	Atherosclerosis of native arteries of extremities with intermittent claudication, left leg
I70.213	Atherosclerosis of native arteries of extremities with intermittent claudication, bilateral legs
I70.218	Atherosclerosis of native arteries of extremities with intermittent claudication, other extremity
I70.219	Atherosclerosis of native arteries of extremities with intermittent claudication, unspecified extremity
I70.221	Atherosclerosis of native arteries of extremities with rest pain, right leg
I70.222	Atherosclerosis of native arteries of extremities with rest pain, left leg
I70.223	Atherosclerosis of native arteries of extremities with rest pain, bilateral legs
I70.228	Atherosclerosis of native arteries of extremities with rest pain, other extremity
I70.229	Atherosclerosis of native arteries of extremities with rest pain, unspecified extremity
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
I70.239	Atherosclerosis of native arteries of right leg with ulceration of unspecified site

170.241	Atherosclerosis of native arteries of left leg with ulceration of thigh
170.242	Atherosclerosis of native arteries of left leg with ulceration of calf
170.243	Atherosclerosis of native arteries of left leg with ulceration of ankle
170.244	Atherosclerosis of native arteries of left leg with ulceration of heel and midfoot
170.245	Atherosclerosis of native arteries of left leg with ulceration of other part of foot
170.248	Atherosclerosis of native arteries of left leg with ulceration of other part of lower left leg
170.249	Atherosclerosis of native arteries of left leg with ulceration of unspecified site
170.25	Atherosclerosis of native arteries of other extremities with ulceration
170.301	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, right leg
170.302	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, left leg
170.303	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, bilateral legs
170.308	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, other extremity
170.309	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, unspecified extremity
170.311	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, right leg
170.312	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, left leg
170.313	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, bilateral legs
170.318	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, other extremity
170.319	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, unspecified extremity
170.321	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, right leg
170.322	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, left leg
170.323	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, bilateral legs
170.328	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, other extremity
170.329	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, unspecified extremity
170.331	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of thigh
170.332	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of calf
170.333	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of ankle
170.334	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of heel and midfoot
170.335	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of other part of foot
170.338	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of other part of lower leg
170.339	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of unspecified site
170.341	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of thigh
170.342	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of calf
170.343	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
170.349	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of unspecified site
170.35	Atherosclerosis of unspecified type of bypass graft(s) of other extremity with ulceration

170.391	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, right leg
170.392	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, left leg
170.393	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, bilateral legs
170.398	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, other extremity
170.399	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, unspecified extremity
170.401	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, right leg
170.402	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, left leg
170.403	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, bilateral legs
170.408	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, other extremity
170.409	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, unspecified extremity
170.411	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, right leg
170.412	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, left leg
170.413	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, bilateral legs
170.418	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, other extremity
170.419	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, unspecified extremity
170.421	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, right leg
170.422	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, left leg
170.423	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, bilateral legs
170.428	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, other extremity
170.429	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, unspecified extremity
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
170.439	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of unspecified site
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
170.449	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of unspecified site
170.45	Atherosclerosis of autologous vein bypass graft(s) of other extremity with ulceration
170.491	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, right leg
170.492	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, left leg
170.493	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, bilateral legs
170.498	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, other extremity
170.499	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, unspecified extremity
170.501	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, right leg

170.502	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, left leg
170.503	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, bilateral legs
170.508	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, other extremity
170.509	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, unspecified extremity
170.511	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, right leg
170.512	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, left leg
170.513	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, bilateral legs
170.518	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, other extremity
170.519	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, unspecified extremity
170.521	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, right leg
170.522	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, left leg
170.523	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, bilateral legs
170.528	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, other extremity
170.529	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, unspecified extremity
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
170.539	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of unspecified site
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
170.549	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of unspecified site
170.55	Atherosclerosis of nonautologous biological bypass graft(s) of other extremity with ulceration
170.591	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, right leg
170.592	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, left leg
170.593	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, bilateral legs
170.598	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, other extremity

170.599	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, unspecified extremity
170.601	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, right leg
170.602	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, left leg
170.603	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, bilateral legs
170.608	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, other extremity
170.609	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, unspecified extremity
170.611	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, right leg
170.612	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, left leg
170.613	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, bilateral legs
170.618	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, other extremity
170.619	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, unspecified extremity
170.621	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, right leg
170.622	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, left leg
170.623	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, bilateral legs
170.628	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, other extremity
170.629	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, unspecified extremity
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
170.639	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of unspecified site
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
170.649	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of unspecified site
170.65	Atherosclerosis of nonbiological bypass graft(s) of other extremity with ulceration
170.691	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, right leg
170.692	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, left leg
170.693	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, bilateral legs
170.698	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, other extremity
170.699	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, unspecified extremity
170.701	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, right leg
170.702	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, left leg
170.703	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, bilateral legs
170.708	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, other extremity
170.709	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, unspecified extremity

170.711	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, right leg
170.712	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, left leg
170.713	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, bilateral legs
170.718	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, other extremity
170.719	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, unspecified extremity
170.721	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, right leg
170.722	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, left leg
170.723	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, bilateral legs
170.728	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, other extremity
170.729	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, unspecified extremity
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
170.739	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of unspecified site
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
170.749	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of unspecified site
170.75	Atherosclerosis of other type of bypass graft(s) of other extremity with ulceration
170.791	Other atherosclerosis of other type of bypass graft(s) of the extremities, right leg
170.792	Other atherosclerosis of other type of bypass graft(s) of the extremities, left leg
170.793	Other atherosclerosis of other type of bypass graft(s) of the extremities, bilateral legs
170.798	Other atherosclerosis of other type of bypass graft(s) of the extremities, other extremity
170.799	Other atherosclerosis of other type of bypass graft(s) of the extremities, unspecified extremity
173.89	Other specified peripheral vascular diseases
173.9	Peripheral vascular disease, unspecified
179.8	Other disorders of arteries, arterioles and capillaries in diseases classified elsewhere

References

Center for Medicare & Medicaid Services. Decision Memo for Supervised Exercise Therapy (SET) for Symptomatic Peripheral Artery Disease (PAD). May 2017. <https://www.cms.gov/medicare-coverage-database/details/nca-decision-memo.aspx?NCAId=287>. Accessed March 12, 2019