

Commercial Plans
Interventional Cardiovascular Utilization Matrix
Effective 10.15.2025

CPT/HCPCS	CodeDescription	PA Required
33202	Insertion of epicardial electrode(s); open incision (eg, thoracotomy, median sternotomy, subxiphoid approach)	Yes
33203	Insertion of epicardial electrode(s); endoscopic approach (eg, thoracoscopy, pericardioscopy)	Yes
33206	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial	Yes
33207	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); ventricular	Yes
33208	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial and ventricular	Yes
33210	Insertion or replacement of temporary transvenous single chamber cardiac electrode or pacemaker catheter (separate procedure)	Yes
33211	Insertion or replacement of temporary transvenous dual chamber pacing electrodes (separate procedure)	Yes
33212	Insertion of Pacemaker Pulse Generator Only; with Existing single Lead	Yes
33213	Insertion of Pacemaker Pulse Generator Only; with Existing Dual Leads	Yes
33214	Upgrade of implanted pacemaker system, conversion of single chamber system to dual chamber system (includes removal of previously placed pulse generator, testing of existing lead, insertion of new lead, insertion of new pulse generator)	Yes
33215	Repositioning of previously implanted transvenous pacemaker or implantable defibrillator (right atrial or right ventricular) electrode	Yes
33216	Insertion of a single transvenous electrode, permanent pacemaker or implantable defibrillator	Yes
33217	Insertion of 2 transvenous electrodes, permanent pacemaker or implantable defibrillator	Yes
33218	Repair of single transvenous electrode, permanent pacemaker or implantable defibrillator	Yes
33220	Repair of 2 transvenous electrodes for permanent pacemaker or implantable defibrillator	Yes
33221	Insertion of Pacemaker Pulse Generator Only; with Existing Multiple Leads	Yes
33222	Relocation of Skin Pocket for Pacemaker	Yes
33223	Relocation of skin pocket for implantable defibrillator	Yes
33224	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, with attachment to previously placed pacemaker or implantable defibrillator pulse generator (including revision of pocket, removal, insertion, and/or replacement of existing generator)	Yes
33225	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, at time of insertion of implantable defibrillator or pacemaker pulse generator (eg, for upgrade to dual chamber system) (List separately in addition to code for primary procedure)	No



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33226	Repositioning of previously implanted cardiac venous system (left ventricular) electrode (including removal, insertion and/or replacement of existing generator)	Yes
33227	Removal of Permanent Pacemaker Pulse Generator with Replacement of Pacemaker Pulse Generator; single Lead System	Yes
33228	Removal of Permanent Pacemaker Pulse Generator with Replacement of Pacemaker Pulse Generator; Dual Lead System	Yes
33229	Removal of Permanent Pacemaker Pulse Generator with Replacement of Pacemaker Pulse Generator; Multiple Lead System	Yes
33230	Insertion of implantable defibrillator pulse generator only; with existing dual leads	Yes
33231	Insertion of implantable defibrillator pulse generator only; with existing multiple leads	Yes
33233	Removal of permanent pacemaker pulse generator only	Yes
33234	Removal of transvenous pacemaker electrode(s); single lead system, atrial or ventricular	Yes
33235	Removal of transvenous pacemaker electrode(s); dual lead system	Yes
33236	Removal of permanent epicardial pacemaker and electrodes by thoracotomy; single lead system, atrial or ventricular	Yes
33237	Removal of permanent epicardial pacemaker and electrodes by thoracotomy; dual lead system	Yes
33240	Insertion of implantable defibrillator pulse generator only; with existing single lead	Yes
33241	Removal of implantable defibrillator pulse generator only	Yes
33243	Removal of single or dual chamber implantable defibrillator electrode(s); by thoracotomy	Yes
33244	Removal of single or dual chamber implantable defibrillator electrode(s); by transvenous extraction	Yes
33249	Insertion or replacement of permanent implantable defibrillator system, with transvenous lead(s), single or dual chamber	Yes
33262	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; single lead system	Yes
33263	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; dual lead system	Yes
33264	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; multiple lead system	Yes
33270	Insertion or replacement of permanent subcutaneous implantable defibrillator system, with subcutaneous electrode, including defibrillation threshold evaluation, induction of arrhythmia, evaluation of sensing for arrhythmia termination, and programming or reprogramming of sensing or therapeutic parameters, when performed	Yes
33271	Insertion of subcutaneous implantable defibrillator electrode	Yes
33272	Removal of subcutaneous implantable defibrillator electrode	Yes



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33273	Repositioning of previously implanted subcutaneous implantable defibrillator electrode	Yes
33274	Transcatheter insertion or replacement of permanent leadless pacemaker, right ventricular, including imaging guidance (eg, fluoroscopy, venous ultrasound, ventriculography, femoral venography) and device evaluation (eg, interrogation or programming), when performed	Yes
33275	Transcatheter removal of permanent leadless pacemaker, right ventricular, including imaging guidance (eg, fluoroscopy, venous ultrasound, ventriculography, femoral venography), when performed	Yes
33285	Insertion, subcutaneous cardiac rhythm monitor, including programming	Yes
33286	Removal, subcutaneous cardiac rhythm monitor	Yes
33289	Transcatheter implantation of wireless pulmonary artery pressure sensor for long-term hemodynamic monitoring, including deployment and calibration of the sensor, right heart catheterization, selective pulmonary catheterization, radiological supervision and interpretation, and pulmonary artery angiography, when performed	Yes
33418	Transcatheter mitral valve repair, percutaneous approach, including transseptal puncture when performed; initial prosthesis	Yes
33419	Transcatheter mitral valve repair, percutaneous approach, including transseptal puncture when performed; additional prosthesis(es) during same session (List separately in addition to code for primary procedure)	No
33900	Percutaneous pulmonary artery revascularization by stent placement, initial; normal native connections, unilateral	Yes
33901	Percutaneous pulmonary artery revascularization by stent placement, initial; normal native connections, bilateral	Yes
33902	Percutaneous pulmonary artery revascularization by stent placement, initial; abnormal connections, unilateral	Yes
33903	Percutaneous pulmonary artery revascularization by stent placement, initial; abnormal connections, bilateral	Yes
33904	Percutaneous pulmonary artery revascularization by stent placement, each additional vessel or separate lesion, normal or abnormal connections (List separately in addition to code for primary procedure)	No
36005	Injection procedure for extremity venography (including introduction of needle or intracatheter)	Yes
36010	Introduction of Catheter, Superior or Inferior Vena Cava	Yes
36011	Selective catheter placement, venous system; first order branch (eg, renal vein, jugular vein)	Yes
36140	Introduction of needle or intracatheter, upper or lower extremity artery	Yes
36200	Introduction of Catheter, Aorta	Yes
36215	Selective catheter placement, arterial system; each first order thoracic or brachiocephalic branch, within a vascular family	Yes



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36216	Selective catheter placement, arterial system; initial second order thoracic or brachiocephalic branch, within a vascular family	Yes
36217	Selective Catheter Placement, Arterial System; initial Third order or More Selective Thoracic or Brachiocephalic Branch, within A Vascular Family	Yes
36218	Selective catheter placement, arterial system; additional second order, third order, and beyond, thoracic or brachiocephalic branch, within a vascular family (List in addition to code for initial second or third order vessel as appropriate)	Yes
36221	Non-selective catheter placement, thoracic aorta, with angiography of the extracranial carotid, vertebral, and/or intracranial vessels, unilateral or bilateral, and all associated radiological supervision and interpretation, includes angiography of the cervicocerebral arch, when performed	Yes
36222	Selective catheter placement, common carotid or innominate artery, unilateral, any approach, with angiography of the ipsilateral extracranial carotid circulation and all associated radiological supervision and interpretation, includes angiography of the cervicocerebral arch, when performed	Yes
36223	Selective catheter placement, common carotid or innominate artery, unilateral, any approach, with angiography of the ipsilateral intracranial carotid circulation and all associated radiological supervision and interpretation, includes angiography of the extracranial carotid and cervicocerebral arch, when performed	Yes
36224	Selective catheter placement, internal carotid artery, unilateral, with angiography of the ipsilateral intracranial carotid circulation and all associated radiological supervision and interpretation, includes angiography of the extracranial carotid and cervicocerebral arch, when performed	Yes
36225	Selective catheter placement, subclavian or innominate artery, unilateral, with angiography of the ipsilateral vertebral circulation and all associated radiological supervision and interpretation, includes angiography of the cervicocerebral arch, when performed	Yes
36226	Selective Catheter Placement, Vertebral Artery, Unilateral, with Angiography of the Ipsilateral Vertebral Circulation and all Associated Radiological Supervision and Interpretation, includes Angiography of the Cervicocerebral Arch, when performed	Yes
36227	Selective catheter placement, external carotid artery, unilateral, with angiography of the ipsilateral external carotid circulation and all associated radiological supervision and interpretation (List separately in addition to code for primary procedure)	No
36228	Selective catheter placement, each intracranial branch of the internal carotid or vertebral arteries, unilateral, with angiography of the selected vessel circulation and all associated radiological supervision and interpretation (eg, middle cerebral artery, posterior inferior cerebellar artery) (List separately in addition to code for primary procedure)	No
36245	Selective catheter placement, arterial system; each first order abdominal, pelvic, or lower extremity artery branch, within a vascular family	Yes



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36246	Selective catheter placement, arterial system; initial second order abdominal, pelvic, or lower extremity artery branch, within a vascular family	Yes
36247	Selective catheter placement, arterial system; initial third order or more selective abdominal, pelvic, or lower extremity artery branch, within a vascular family	Yes
36248	Selective catheter placement, arterial system; additional second order, third order, and beyond, abdominal, pelvic, or lower extremity artery branch, within a vascular family (List in addition to code for initial second or third order vessel as appropriate)	No
36251	Selective catheter placement (first-order), main renal artery and any accessory renal artery(s) for renal angiography, including arterial puncture and catheter placement(s), fluoroscopy, contrast injection(s), image postprocessing, permanent recording of images, and radiological supervision and interpretation, including pressure gradient measurements when performed, and flush aortogram when performed; unilateral	Yes
36252	Selective catheter placement (first-order), main renal artery and any accessory renal artery(s) for renal angiography, including arterial puncture and catheter placement(s), fluoroscopy, contrast injection(s), image postprocessing, permanent recording of images, and radiological supervision and interpretation, including pressure gradient measurements when performed, and flush aortogram when performed; bilateral	Yes
36253	Superselective catheter placement (one or more second order or higher renal artery branches) renal artery and any accessory renal artery(s) for renal angiography, including arterial puncture, catheterization, fluoroscopy, contrast injection(s), image postprocessing, permanent recording of images, and radiological supervision and interpretation, including pressure gradient measurements when performed, and flush aortogram when performed; unilateral	Yes
36254	Superselective catheter placement (one or more second order or higher renal artery branches) renal artery and any accessory renal artery(s) for renal angiography, including arterial puncture, catheterization, fluoroscopy, contrast injection(s), image postprocessing, permanent recording of images, and radiological supervision and interpretation, including pressure gradient measurements when performed, and flush aortogram when performed; bilateral	Yes
36465	Injection of non-compounded foam sclerosant with ultrasound compression maneuvers to guide dispersion of the injectate, inclusive of all imaging guidance and monitoring; single incompetent extremity truncal vein (eg, great saphenous vein, accessory saphenous vein)	Yes
36466	Injection of non-compounded foam sclerosant with ultrasound compression maneuvers to guide dispersion of the injectate, inclusive of all imaging guidance and monitoring; multiple incompetent truncal veins (eg, great saphenous vein, accessory saphenous vein), same leg	Yes



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36473	Endovenous ablation therapy of incompetent vein, extremity, inclusive of all imaging guidance and monitoring, percutaneous, mechanochemical; first vein treated	Yes
36474	Endovenous ablation therapy of incompetent vein, extremity, inclusive of all imaging guidance and monitoring, percutaneous, mechanochemical; subsequent vein(s) treated in a single extremity, each through separate access sites (List separately in addition to code for primary procedure)	No
36475	Endovenous ablation therapy of incompetent vein, extremity, inclusive of all imaging guidance and monitoring, percutaneous, radiofrequency; first vein treated	Yes
36476	Endovenous ablation therapy of incompetent vein, extremity, inclusive of all imaging guidance and monitoring, percutaneous, radiofrequency; subsequent vein(s) treated in a single extremity, each through separate access sites (List separately in addition to code for primary procedure)	No
36478	Endovenous ablation therapy of incompetent vein, extremity, inclusive of all imaging guidance and monitoring, percutaneous, laser; first vein treated	Yes
36479	Endovenous ablation therapy of incompetent vein, extremity, inclusive of all imaging guidance and monitoring, percutaneous, laser; subsequent vein(s) treated in a single extremity, each through separate access sites (List separately in addition to code for primary procedure)	No
36482	Endovenous ablation therapy of incompetent vein, extremity, by transcatheter delivery of a chemical adhesive (eg, cyanoacrylate) remote from the access site, inclusive of all imaging guidance and monitoring, percutaneous; first vein treated	Yes
36483	Endovenous ablation therapy of incompetent vein, extremity, by transcatheter delivery of a chemical adhesive (eg, cyanoacrylate) remote from the access site, inclusive of all imaging guidance and monitoring, percutaneous; subsequent vein(s) treated in a single extremity, each through separate access sites (List separately in addition to code for primary procedure)	No
36836	Percutaneous arteriovenous fistula creation, upper extremity, single access of both the peripheral artery and peripheral vein, including fistula maturation procedures (eg, transluminal balloon angioplasty, coil embolization) when performed, including all vascular access, imaging guidance and radiologic supervision and interpretation	Yes
36837	Percutaneous arteriovenous fistula creation, upper extremity, separate access sites of the peripheral artery and peripheral vein, including fistula maturation procedures (eg, transluminal balloon angioplasty, coil embolization) when performed, including all vascular access, imaging guidance and radiologic supervision and interpretation	Yes



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37185	Primary percutaneous transluminal mechanical thrombectomy, noncoronary, non-intracranial, arterial or arterial bypass graft, including fluoroscopic guidance and intraprocedural pharmacological thrombolytic injection(s); second and all subsequent vessel(s) within the same vascular family (List separately in addition to code for primary mechanical thrombectomy procedure)	No
37186	Secondary percutaneous transluminal thrombectomy (eg, nonprimary mechanical, snare basket, suction technique), noncoronary, non-intracranial, arterial or arterial bypass graft, including fluoroscopic guidance and intraprocedural pharmacological thrombolytic injections, provided in conjunction with another percutaneous intervention other than primary mechanical thrombectomy (List separately in addition to code for primary procedure)	No
37191	Insertion of intravascular vena cava filter, endovascular approach including vascular access, vessel selection, and radiological supervision and interpretation, intraprocedural roadmapping, and imaging guidance (ultrasound and fluoroscopy), when performed	Yes
37197	Transcatheter retrieval, percutaneous, of intravascular foreign body (eg, fractured venous or arterial catheter), includes radiological supervision and interpretation, and imaging guidance (ultrasound or fluoroscopy), when performed	Yes
37215	Transcatheter placement of intravascular stent(s), cervical carotid artery, open or percutaneous, including angioplasty, when performed, and radiological supervision and interpretation; with distal embolic protection	Yes
37217	Transcatheter placement of intravascular stent(s), intrathoracic common carotid artery or innominate artery by retrograde treatment, open ipsilateral cervical carotid artery exposure, including angioplasty, when performed, and radiological supervision and interpretation	Yes
37220	Revascularization, endovascular, open or percutaneous, iliac artery, unilateral, initial vessel; with transluminal angioplasty	Yes
37221	Revascularization, endovascular, open or percutaneous, iliac artery, unilateral, initial vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed	Yes
37222	Revascularization, endovascular, open or percutaneous, iliac artery, each additional ipsilateral iliac vessel; with transluminal angioplasty (List separately in addition to code for primary procedure)	No
37223	Revascularization, endovascular, open or percutaneous, iliac artery, each additional ipsilateral iliac vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed (List separately in addition to code for primary procedure)	No
37224	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal angioplasty	Yes



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37225	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with atherectomy, includes angioplasty within the same vessel, when performed	Yes
37226	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed	Yes
37227	Revascularization, endovascular, open or percutaneous, femoral, popliteal artery(s), unilateral; with transluminal stent placement(s) and atherectomy, includes angioplasty within the same vessel, when performed	Yes
37228	Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with transluminal angioplasty	Yes
37229	Revascularization, Endovascular, Open or Percutaneous, Tibial, Peroneal Artery, Unilateral, initial Vessel; with atherectomy, Includes Angioplasty within the Same Vessel, when Performed	Yes
37230	Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed	Yes
37231	Revascularization, endovascular, open or percutaneous, tibial, peroneal artery, unilateral, initial vessel; with transluminal stent placement(s) and atherectomy, includes angioplasty within the same vessel, when performed	Yes
37232	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with transluminal angioplasty (List separately in addition to code for primary procedure)	No
37233	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with atherectomy, includes angioplasty within the same vessel, when performed (List separately in addition to code for primary procedure)	No
37234	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with transluminal stent placement(s), includes angioplasty within the same vessel, when performed (List separately in addition to code for primary procedure)	No
37235	Revascularization, endovascular, open or percutaneous, tibial/peroneal artery, unilateral, each additional vessel; with transluminal stent placement(s) and atherectomy, includes angioplasty within the same vessel, when performed (List separately in addition to code for primary procedure)	No
37236	Transcatheter placement of an intravascular stent(s) (except lower extremity artery(s) for occlusive disease, cervical carotid, extracranial vertebral or intrathoracic carotid, intracranial, or coronary), open or percutaneous, including radiological supervision and interpretation and including all angioplasty within the same vessel, when performed; initial artery	Yes



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37237	Transcatheter placement of an intravascular stent(s) (except lower extremity artery(s) for occlusive disease, cervical carotid, extracranial vertebral or intrathoracic carotid, intracranial, or coronary), open or percutaneous, including radiological supervision and interpretation and including all angioplasty within the same vessel, when performed; each additional artery (List separately in addition to code for primary procedure)	No
37238	Transcatheter Placement of An Intravascular Stent(S), Open or Percutaneous, including Radiological Supervision and Interpretation and including Angioplasty within the Same Vessel, when Performed; initial Vein	Yes
37239	Transcatheter placement of an intravascular stent(s), open or percutaneous, including radiological supervision and interpretation and including angioplasty within the same vessel, when performed; each additional vein (List separately in addition to code for primary procedure)	No
37246	Transluminal balloon angioplasty (except lower extremity artery(ies) for occlusive disease, intracranial, coronary, pulmonary, or dialysis circuit), open or percutaneous, including all imaging and radiological supervision and interpretation necessary to perform the angioplasty within the same artery; initial artery	Yes
37247	Transluminal balloon angioplasty (except lower extremity artery(ies) for occlusive disease, intracranial, coronary, pulmonary, or dialysis circuit), open or percutaneous, including all imaging and radiological supervision and interpretation necessary to perform the angioplasty within the same artery; each additional artery (List separately in addition to code for primary procedure)	No
37248	Transluminal balloon angioplasty (except dialysis circuit), open or percutaneous, including all imaging and radiological supervision and interpretation necessary to perform the angioplasty within the same vein; initial vein	Yes
37249	Transluminal balloon angioplasty (except dialysis circuit), open or percutaneous, including all imaging and radiological supervision and interpretation necessary to perform the angioplasty within the same vein; each additional vein (List separately in addition to code for primary procedure)	No
37252	Intravascular ultrasound (noncoronary vessel) during diagnostic evaluation and/or therapeutic intervention, including radiological supervision and interpretation; initial noncoronary vessel (List separately in addition to code for primary procedure)	No
37253	Intravascular ultrasound (noncoronary vessel) during diagnostic evaluation and/or therapeutic intervention, including radiological supervision and interpretation; each additional noncoronary vessel (List separately in addition to code for primary procedure)	No
37609	Ligation or Biopsy, Temporal Artery	Yes
37700	Ligation and division of long saphenous vein at saphenofemoral junction, or distal interruptions	Yes
37718	Ligation, division, and stripping, short saphenous vein	Yes



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37722	Ligation, division, and stripping, long (greater) saphenous veins from saphenofemoral junction to knee or below	Yes
37760	Ligation of perforator veins, subfascial, radical (Linton type), including skin graft, when performed, open,1 leg	Yes
37761	Ligation of perforator vein(s), subfascial, open, including ultrasound guidance, when performed, 1 leg	Yes
37765	Stab phlebectomy of varicose veins, 1 extremity; 10-20 stab incisions	Yes
37766	Stab phlebectomy of varicose veins, 1 extremity; more than 20 incisions	Yes
37780	Ligation and division of short saphenous vein at saphenopopliteal junction (separate procedure)	Yes
37785	Ligation, division, and/or excision of varicose vein cluster(s), 1 leg	Yes
75580	Noninvasive estimate of coronary fractional flow reserve (FFR) derived from augmentative software analysis of the data set from a coronary computed tomography angiography, with interpretation and report by a physician or other qualified health care professional	Yes
75625	Aortography, abdominal, by serialography, radiological supervision and interpretation	Yes
75630	Aortography, abdominal plus bilateral iliofemoral lower extremity, catheter, by serialography, radiological supervision and interpretation	Yes
75710	Angiography, extremity, unilateral, radiological supervision and interpretation	Yes
75716	Angiography, extremity, bilateral, radiological supervision and interpretation	Yes
75726	Angiography, visceral, selective or supraselective (with or without flush aortogram), radiological supervision and interpretation	Yes
75736	Angiography, pelvic, selective or supraselective, radiological supervision and interpretation	Yes
75774	Angiography, selective, each additional vessel studied after basic examination, radiological supervision and interpretation (List separately in addition to code for primary procedure)	No
75898	Angiography through existing catheter for follow-up study for transcatheter therapy, embolization or infusion, other than for thrombolysis	Yes
76937	Ultrasound guidance for vascular access requiring ultrasound evaluation of potential access sites, documentation of selected vessel patency, concurrent realtime ultrasound visualization of vascular needle entry, with permanent recording and reporting (List separately in addition to code for primary procedure)	Yes
76984	Ultrasound, intraoperative thoracic aorta (eg, epiaortic), diagnostic	Yes
76987	Intraoperative epicardial cardiac ultrasound (ie, echocardiography) for congenital heart disease, diagnostic; including placement and manipulation of transducer, image acquisition, interpretation and report	Yes
76988	Intraoperative epicardial cardiac ultrasound (ie, echocardiography) for congenital heart disease, diagnostic; placement, manipulation of transducer, and image acquisition only	Yes



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76989	Intraoperative epicardial cardiac ultrasound (ie, echocardiography) for congenital heart disease, diagnostic; interpretation and report only	Yes
92920	Percutaneous Transluminal Coronary Angioplasty; single Major Coronary Artery or Branch	Yes
92921	Percutaneous transluminal coronary angioplasty; each additional branch of a major coronary artery (List separately in addition to code for primary procedure)	No
92924	Percutaneous Transluminal Coronary atherectomy, with Coronary Angioplasty when Performed; single Major Coronary Artery or Branch	Yes
92925	Percutaneous transluminal coronary atherectomy, with coronary angioplasty when performed; each additional branch of a major coronary artery (List separately in addition to code for primary procedure)	No
92928	Percutaneous transcatheter placement of intracoronary stent(s), with coronary angioplasty when performed; single major coronary artery or branch	Yes
92929	Percutaneous transcatheter placement of intracoronary stent(s), with coronary angioplasty when performed; each additional branch of a major coronary artery (List separately in addition to code for primary procedure)	No
92933	Percutaneous Transluminal Coronary atherectomy, with Intracoronary Stent, with Coronary Angioplasty when Performed; single Major Coronary Artery or Branch	Yes
92934	Percutaneous transluminal coronary atherectomy, with intracoronary stent, with coronary angioplasty when performed; each additional branch of a major coronary artery (List separately in addition to code for primary procedure)	No
92937	Percutaneous transluminal revascularization of or through coronary artery bypass graft (internal mammary, free arterial, venous), any combination of intracoronary stent, atherectomy and angioplasty, including distal protection when performed; single vessel	Yes
92938	Percutaneous transluminal revascularization of or through coronary artery bypass graft (internal mammary, free arterial, venous), any combination of intracoronary stent, atherectomy and angioplasty, including distal protection when performed; each additional branch subtended by the bypass graft (List separately in addition to code for primary procedure)	No
92943	Percutaneous transluminal revascularization of chronic total occlusion, coronary artery, coronary artery branch, or coronary artery bypass graft, any combination of intracoronary stent, atherectomy and angioplasty; single vessel	Yes
92944	Percutaneous transluminal revascularization of chronic total occlusion, coronary artery, coronary artery branch, or coronary artery bypass graft, any combination of intracoronary stent, atherectomy and angioplasty; each additional coronary artery, coronary artery branch, or bypass graft (List separately in addition to code for primary procedure)	No
92960	Cardioversion, elective, electrical conversion of arrhythmia; external	Yes
92961	Cardioversion, elective, electrical conversion of arrhythmia; internal (separate procedure)	Yes



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92972	Percutaneous transluminal coronary lithotripsy (List separately in addition to code for primary procedure)	No
92973	Percutaneous transluminal coronary thrombectomy mechanical (List separately in addition to code for primary procedure)	No
92974	Transcatheter placement of radiation delivery device for subsequent coronary intravascular brachytherapy (List separately in addition to code for primary procedure)	No
92978	Endoluminal imaging of coronary vessel or graft using intravascular ultrasound (IVUS) or optical coherence tomography (OCT) during diagnostic evaluation and/or therapeutic intervention including imaging supervision, interpretation and report; initial vessel (List separately in addition to code for primary procedure)	No
92979	Endoluminal imaging of coronary vessel or graft using intravascular ultrasound (IVUS) or optical coherence tomography (OCT) during diagnostic evaluation and/or therapeutic intervention including imaging supervision, interpretation and report; each additional vessel (List separately in addition to code for primary procedure)	No
92986	Percutaneous balloon valvuloplasty; aortic valve	Yes
92987	Percutaneous balloon valvuloplasty; mitral valve	Yes
92997	Percutaneous transluminal pulmonary artery balloon angioplasty; single vessel	Yes
92998	Percutaneous transluminal pulmonary artery balloon angioplasty; each additional vessel (List separately in addition to code for primary procedure)	No
93451	Right heart catheterization including measurement(s) of oxygen saturation and cardiac output, when performed	Yes
93452	Left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed	Yes
93453	Combined right and left heart catheterization including intraprocedural injection(s) for left ventriculography, imaging supervision and interpretation, when performed	Yes
93454	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation;	Yes
93455	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with catheter placement(s) in bypass graft(s) (internal mammary, free arterial, venous grafts) including intraprocedural injection(s) for bypass graft angiography	Yes
93456	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with right heart catheterization	Yes



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93457	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with catheter placement(s) in bypass graft(s) (internal mammary, free arterial, venous grafts) including intraprocedural injection(s) for bypass graft angiography and right heart catheterization	Yes
93458	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with left heart catheterization including intraprocedural injection(s) for left ventriculography, when performed	Yes
93459	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with left heart catheterization including intraprocedural injection(s) for left ventriculography, when performed, catheter placement(s) in bypass graft(s) (internal mammary, free arterial, venous grafts) with bypass graft angiography	Yes
93460	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with right and left heart catheterization including intraprocedural injection(s) for left ventriculography, when performed	Yes
93461	Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for coronary angiography, imaging supervision and interpretation; with right and left heart catheterization including intraprocedural injection(s) for left ventriculography, when performed, catheter placement(s) in bypass graft(s) (internal mammary, free arterial, venous grafts) with bypass graft angiography	Yes
93462	Left heart catheterization by transseptal puncture through intact septum or by transapical puncture (List separately in addition to code for primary procedure)	Yes
93463	Pharmacologic agent administration (eg, inhaled nitric oxide, intravenous infusion of nitroprusside, dobutamine, milrinone, or other agent) including assessing hemodynamic measurements before, during, after and repeat pharmacologic agent administration, when performed (List separately in addition to code for primary procedure)	No
93464	Physiologic exercise study (eg, bicycle or arm ergometry) including assessing hemodynamic measurements before and after (List separately in addition to code for primary procedure)	No
93505	Endomyocardial Biopsy	Yes
93563	Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for selective coronary angiography during congenital heart catheterization (List separately in addition to code for primary procedure)	No



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CPT/HCPCS	CodeDescription	PA Required
93564	Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for selective opacification of aortocoronary venous or arterial bypass graft(s) (eg, aortocoronary saphenous vein, free radial artery, or free mammary artery graft) to one or more coronary arteries and in situ arterial conduits (eg, internal mammary), whether native or used for bypass to one or more coronary arteries during congenital heart catheterization, when performed (List separately in addition to code for primary procedure)	No
93565	Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for selective left ventricular or left atrial angiography (List separately in addition to code for primary procedure)	No
93566	Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for selective right ventricular or right atrial angiography (List separately in addition to code for primary procedure)	No
93567	Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for supravalvular aortography (List separately in addition to code for primary procedure)	No
93568	Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for pulmonary angiography (List separately in addition to code for primary procedure)	No
93569	Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for selective pulmonary arterial angiography, unilateral (List separately in addition to code for primary procedure)	No
93571	Intravascular Doppler velocity and/or pressure derived coronary flow reserve measurement (coronary vessel or graft) during coronary angiography including pharmacologically induced stress; initial vessel (List separately in addition to code for primary procedure)	No
93572	Intravascular Doppler velocity and/or pressure derived coronary flow reserve measurement (coronary vessel or graft) during coronary angiography including pharmacologically induced stress; each additional vessel (List separately in addition to code for primary procedure)	No
93573	Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for selective pulmonary arterial angiography, bilateral (List separately in addition to code for primary procedure)	No
93574	Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for selective pulmonary venous angiography of each distinct pulmonary vein during cardiac catheterization (List separately in addition to code for primary procedure)	No



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CPT/HCPCS	CodeDescription	PA Required
93575	Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for selective pulmonary angiography of major aortopulmonary collateral arteries (MAPCAs) arising off the aorta or its systemic branches, during cardiac catheterization for congenital heart defects, each distinct vessel (List separately in addition to code for primary procedure)	No
93580	Percutaneous transcatheter closure of congenital interatrial communication (ie, Fontan fenestration, atrial septal defect) with implant	Yes
93581	Percutaneous transcatheter closure of a congenital ventricular septal defect with implant	Yes
93582	Percutaneous transcatheter closure of patent ductus arteriosus	Yes
93583	Percutaneous Transcatheter Septal Reduction therapy (Eg, Alcohol Septal Ablation) including Temporary Pacemaker Insertion when Performed	Yes
93584	Venography for congenital heart defect(s), including catheter placement, and radiological supervision and interpretation; anomalous or persistent superior vena cava when it exists as a second contralateral superior vena cava, with native drainage to heart (List separately in addition to code for primary procedure)	No
93585	Venography for congenital heart defect(s), including catheter placement, and radiological supervision and interpretation; azygos/hemiazygos venous system (List separately in addition to code for primary procedure)	No
93586	Venography for congenital heart defect(s), including catheter placement, and radiological supervision and interpretation; coronary sinus (List separately in addition to code for primary procedure)	No
93587	Venography for congenital heart defect(s), including catheter placement, and radiological supervision and interpretation; venovenous collaterals originating at or above the heart (eg, from innominate vein) (List separately in addition to code for primary procedure)	No
93588	Venography for congenital heart defect(s), including catheter placement, and radiological supervision and interpretation; venovenous collaterals originating below the heart (eg, from the inferior vena cava) (List separately in addition to code for primary procedure)	No
93590	Percutaneous transcatheter closure of paravalvular leak; initial occlusion device, mitral valve	Yes
93591	Percutaneous transcatheter closure of paravalvular leak; initial occlusion device, aortic valve	Yes
93592	Percutaneous transcatheter closure of paravalvular leak; each additional occlusion device (List separately in addition to code for primary procedure)	No
93609	Intraventricular and/or intra-atrial mapping of tachycardia site(s) with catheter manipulation to record from multiple sites to identify origin of tachycardia (List separately in addition to code for primary procedure)	No
93613	Intracardiac electrophysiologic 3-dimensional mapping (List separately in addition to code for primary procedure)	No



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93619	Comprehensive electrophysiologic evaluation with right atrial pacing and recording, right ventricular pacing and recording, His bundle recording, including insertion and repositioning of multiple electrode catheters, without induction or attempted induction of arrhythmia	Yes
93620	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with right atrial pacing and recording, right ventricular pacing and recording, His bundle recording	Yes
93621	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with left atrial pacing and recording from coronary sinus or left atrium (List separately in addition to code for primary procedure)	Yes
93622	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with left ventricular pacing and recording (List separately in addition to code for primary procedure)	Yes
93623	Programmed stimulation and pacing after intravenous drug infusion (List separately in addition to code for primary procedure)	No
93650	Intracardiac catheter ablation of atrioventricular node function, atrioventricular conduction for creation of complete heart block, with or without temporary pacemaker placement	Yes
93653	Comprehensive electrophysiologic evaluation with insertion and repositioning of multiple electrode catheters, induction or attempted induction of an arrhythmia with right atrial pacing and recording and catheter ablation of arrhythmogenic focus, including intracardiac electrophysiologic 3-dimensional mapping, right ventricular pacing and recording, left atrial pacing and recording from coronary sinus or left atrium, and His bundle recording, when performed; with treatment of supraventricular tachycardia by ablation of fast or slow atrioventricular pathway, accessory atrioventricular connection, cavo-tricuspid isthmus or other single atrial focus or source of atrial re-entry	Yes
93654	Comprehensive electrophysiologic evaluation with insertion and repositioning of multiple electrode catheters, induction or attempted induction of an arrhythmia with right atrial pacing and recording and catheter ablation of arrhythmogenic focus, including intracardiac electrophysiologic 3-dimensional mapping, right ventricular pacing and recording, left atrial pacing and recording from coronary sinus or left atrium, and His bundle recording, when performed; with treatment of ventricular tachycardia or focus of ventricular ectopy including left ventricular pacing and recording, when performed	Yes



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CPT/HCPCS	CodeDescription	PA Required
93655	Intracardiac catheter ablation of a discrete mechanism of arrhythmia which is distinct from the primary ablated mechanism, including repeat diagnostic maneuvers, to treat a spontaneous or induced arrhythmia (List separately in addition to code for primary procedure)	Yes
93656	Comprehensive electrophysiologic evaluation with transseptal catheterizations, insertion and repositioning of multiple electrode catheters, induction or attempted induction of an arrhythmia including left or right atrial pacing/recording, and intracardiac catheter ablation of atrial fibrillation by pulmonary vein isolation, including intracardiac electrophysiologic 3-dimensional mapping, intracardiac echocardiography with imaging supervision and interpretation, right ventricular pacing/recording, and His bundle recording, when performed	Yes
93657	Additional linear or focal intracardiac catheter ablation of the left or right atrium for treatment of atrial fibrillation remaining after completion of pulmonary vein isolation (List separately in addition to code for primary procedure)	Yes
93662	Intracardiac echocardiography during therapeutic/diagnostic intervention, including imaging supervision and interpretation (List separately in addition to code for primary procedure)	No
C1714	CATH TRNSLUM ATHERECT DIRECTIONAL	No
C1721	CARDIOVERT-DEFIBRILLATOR DUAL CHAMB	No
C1722	CARDIOVERT-DEFIB SINGLE CHAMB	No
C1724	CATH TRNSLUM ATHERECT ROTATIONAL	No
C1725	CATHETER TRNSLUM ANGPLSTY NON-LASER	No
C1730	CATH EP DX OTH THAN 3D MAP 19/<	No
C1731	CATH EP DX OTH THAN 3D MAP 20/>	No
C1732	CATH EP DX/ABLAT 3D/VECTOR MAP	No
C1733	CATH EP DX/ABLAT NOT MAP/COOL-TIP	No
C1753	CATHETER INTRAVASCULAR ULTRASOUND	No
C1759	CATHETER INTRACARD ECHOCARDIOGRAPHY	No
C1760	CLOSURE DEVICE VASCULAR	No
C1764	EVENT RECORDER CARDIAC	No
C1766	INTRDUCR/SHEATH EP NOT PEEL-AWAY	No
C1769	GUIDE WIRE	No
C1777	LEAD CARDIOVRT-DFIB ENDOCARD 1 COIL	No
C1779	LEAD PACEMKR TRNS VDD SINGLE PASS	No
C1785	PACEMKR DUAL CHAMB RATE-RESPONSIVE	No
C1786	PACEMKR 1 CHAMB RATE-RESPONSIVE	No
C1874	STENT COATED/COVR W/DELIVERY SYSTEM	No
C1875	STENT COATED/COVR W/O DELIV SYSTEM	No
C1876	STNT NON-COATED/NON-COVR DELIV SYS	No
C1877	STNT NON-COAT/NON-COVR W/O DEL SYS	No
C1880	VENA CAVA FILTER	No



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CPT/HCPCS	CodeDescription	PA Required
C1882	CARDIOVRT-DFIB OTH THAN 1/DUL CHAMB	No
C1884	EMBOLIZATION PROTECTIVE SYSTEM	No
C1885	CATHETER TRNSLUM ANGPLSTY LASER	No
C1892	INTRDUCR/SHEATH EP CURVE PEEL-AWAY	No
C1893	INTRDUCR/SHEATH EP CURVE NOT PEEL	No
C1894	INTRDUCR/SHEATH NOT GUID NON-LASR	No
C1895	LEAD CARDIOVRT-DFIB ENDOCARD DUL	No
C1896	LEAD CARDIOVRT-DFIB NOT ENDOCARD	No
C1898	LEAD PACEMKR NOT TRNS VDD 1 PASS	No
C1899	LEAD PACEMKR/CARDIOVERT-DEFIB COMB	No
C1900	LEAD LT VENTRICULAR CORON VENUS SYS	No
C2617	STENT NON-COR TEMP W/O DELIV SYSTEM	No
C2619	PACEMKR DUL CHAMB NON RATE-RESPONS	No
C2620	PACEMKR 1 CHAMB NON RATE-RESPONSIVE	No
C2621	PACEMKR OTH THAN SINGLE/DUAL CHAMB	No
C2623	CATHETER TA DRUG-COATED NON-LASER	No
C2624	IMPL WL PULM ART PRSS SNSR DEL CATH	No
C2625	STENT NON-COR TEMP W/DELIV SYSTEM	No
C2628	CATHETER OCCLUSION	No
C2630	CATH EP DX/ABLAT NOT MAP COOL-TIP	No
C9600	PERQ TRANSCATH PLCMT; 1 MAJ CA/BR	No
C9601	PC TRNSCATH PLCMT; EA ADD BR MAJ CA	No
C9602	PERQ TL CORONARY ATHERECT; 1 MCA/BR	No
C9603	PERQ TL COR ATHERECT;EA ADD BR MCA	No
C9604	PERQ TL REVISION OF/THRU CABG;1 VES	No
C9605	PERQ TL REV OF/THRU CABG;EA ADD BR	No
C9606	PC TL REV AC TOT/SUBTOT OCCL 1 VES	No
C9607	PERQ TL REV CHRN TOT OCCL; 1 VESSEL	No
C9608	PC TL REV CHRN TOT OCCL; EA ADD BR	No
E0616	Implantable cardiac event recorder with memory, activator, and programmer	No
G0278	Iliac and/or Femoral Angiography at Time of Cath	No
G0448	Insertion or replacement of a permanent pacing cardioverter-defibrillator system with transvenous lead(s), single or dual chamber with insertion of pacing electrode, cardiac venous system, for left ventricular pacing	Yes