Relative value units (RVU) guide

Cardiac rhythm management devices, cardiac catheter ablation, and cardiac diagnostic services

Medtronic

To healthcare providers

RVUs represent physician work, practice expense (PE), and malpractice expense. The tables below reflect the CPT® code, CPT description, and the Medicare relative value units for select Medtronic cardiac rhythm management and heart failure devices, cardiac catheter ablation procedures, and cardiac diagnostic services.

Medicare defines facility versus non-facility based on the place of service indicated on the claim form that identifies the setting where services are rendered. Facility services may include services rendered within a hospital, ambulatory surgery center, or skilled nursing facility. Non-facility services may be provided in an independent physician office.

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^{*}Section describes tests performed by an electrophysiologist, and fall under the Electrophysiologic Procedures/Studies in the CPT manual

Pacemaker and CRT-P procedures

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
	perman	ent transvenous pacemaker sy				40.44	T	
33206		Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial	7.14	4.66	1.61	13.41	NA	NA
33207		Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); ventricular	7.80	4.52	1.77	14.09	NA	NA
33208		Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial and ventricular	8.52	4.80	1.93	15.25	NA	NA
	tempor	ary pacemaker	2.05	1.04	0.72	4.70	N I A	NIA
33210		Insertion or replacement of temporary transvenous single chamber cardiac electrode or pacemaker catheter (separate procedure)	3.05	1.04	0.63	4.72	NA	NA
33211		Insertion or replacement of temporary transvenous dual chamber pacing electrodes (separate procedure)	3.14	1.13	0.67	4.94	NA	NA
Insertion	of pace	maker generator only						
33212		Insertion of pacemaker pulse generator only; with existing single lead	5.01	3.39	1.15	9.55	NA	NA
33213		Insertion of pacemaker pulse generator only; with existing dual leads	5.28	3.51	1.21	10.00	NA	NA
33221		Insertion of pacemaker pulse generator only; with existing multiple leads	5.55	3.76	1.25	10.56	NA	NA

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Upgrade	e a single	pacemaker to a dual pacemal	ker					
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)	7.59	4.84	1.70	14.13	NA	NA
Leadless	perman	ent pacemaker procedures						
33274		Transcatheter insertion or replacement of permanent leadless pacemaker, right ventricular, including imaging guidance (e.g., fluoroscopy, venous ultrasound, ventriculography, femoral venography) and device evaluation (e.g., interrogation or programming), when performed	7.80	4.51	1.77	14.08	NA	NA
33275		Transcatheter removal of permanent leadless pacemaker, right ventricular, including imaging guidance (e.g., fluoroscopy, venous ultrasound, ventriculography, femoral venography), when performed	8.59	4.30	1.99	14.88	NA	NA

CPT® code¹		CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Pacemak	er Gene	rator Changeouts	T = ==	T = ==	1	T	T	T
33227		Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; single lead system	5.25	3.57	1.21	10.03	NA	NA
33228		Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; dual lead system	5.52	3.69	1.26	10.47	NA	NA
33229		Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; multiple lead system	5.79	3.90	1.32	11.01	NA	NA
Removal	of perm	anent pacemaker generator o	nly					
33233		Removal of permanent pacemaker pulse generator only	3.14	3.06	0.72	6.92	NA	NA
Epicardia	al lead p	rocedures						
33202		Insertion of epicardial electrode(s); open incision (e.g., thoracotomy, median sternotomy, subxiphoid approach)	13.20	6.44	3.17	22.81	NA	NA
33203		Insertion of epicardial electrode(s); endoscopic approach (e.g., thoracoscopy, pericardioscopy)	13.97	6.54	3.46	23.97	NA	NA
33236		Removal of permanent epicardial pacemaker and electrodes by thoracotomy; single lead system, atrial or ventricular	12.73	7.55	2.92	23.20	NA	NA
33237		Removal of permanent epicardial pacemaker and electrodes by thoracotomy; dual lead system	13.84	7.85	3.20	24.89	NA	NA

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Lead pro	cedures							
33215		Repositioning of previously implanted transvenous pacemaker or implantable defibrillator (right atrial or right ventricular) electrode	4.92	3.12	1.13	9.17	NA	NA
33216		Insertion of a single transvenous electrode, permanent pacemaker or implantable defibrillator	5.62	4.09	1.27	10.98	NA	NA
33217		Insertion of two transvenous electrodes, permanent pacemaker or implantable defibrillator	5.59	4.04	1.27	10.90	NA	NA
33218		Repair of single transvenous electrode, permanent pacemaker or implantable defibrillator	5.82	4.38	1.32	11.52	NA	NA
33220		Repair of two transvenous electrodes for permanent pacemaker or implantable defibrillator	5.90	4.00	1.36	11.26	NA	NA
33234		Removal of transvenous pacemaker electrode(s); single lead system, atrial or ventricular	7.66	4.89	1.73	14.28	NA	NA
33235		Removal of transvenous pacemaker electrode(s); dual lead system	9.90	6.61	2.26	18.77	NA	NA
33238		Removal of permanent transvenous electrode(s) by thoracotomy	15.40	9.15	3.61	28.16	NA	NA

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Left vent	ricle leac	procedures	T			T	T	
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)	9.04	3.90	2.05	14.99	NA	NA
33225		Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, at time of insertion of implantable defibrillator or pacemaker pulse generator (e.g., for upgrade to dual chamber system) (List separately in addition to code for primary procedure)	8.33	3.29	1.89	13.51	NA	NA
33226		Repositioning of previously implanted cardiac venous system (left ventricular) electrode (including removal, insertion and/ or replacement of existing generator)	8.68	3.67	0.02	12.37	NA	NA
	er pocke	et procedure	4.05	4.04	1.10	10.10	NIA	NIA
33222		Relocation of skin pocket for pacemaker	4.85	4.21	1.12	10.18	NA	NA

Defibrillator and CRT-D procedures

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Insertion	of perm	anent transvenous defibrillator						
33249		Insertion or replacement of permanent implantable defibrillator system, with transvenous lead(s), single or dual chamber	14.92	8.53	3.40	26.85	NA	NA
Insertion	defibrill	ator generator only		1		1	_	
33230		Insertion of implantable defibrillator pulse generator only; with existing dual leads	6.07	3.58	1.40	11.05	NA	NA
33231		Insertion of implantable defibrillator pulse generator only; with existing multiple leads	6.34	4.07	1.43	11.84	NA	NA
33240		Insertion of implantable defibrillator pulse generator only; with existing single lead	5.80	3.75	1.33	10.88	NA	NA
Defibrilla	tor gene	erator changeouts		II.		!	•	
33262		Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; single lead system	5.81	3.86	1.32	10.99	NA	NA
33263		Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; dual lead system	6.08	3.95	1.39	11.42	NA	NA
33264		Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; multiple lead system	6.35	4.10	1.46	11.91	NA	NA

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Removal	l defibrill	ator generator only				_		
33241		Removal of implantable defibrillator pulse generator only	3.04	2.63	0.70	6.37	NA	NA
Lead pro	ocedures							
33215		Repositioning of previously implanted transvenous pacemaker or implantable defibrillator (right atrial or right ventricular) electrode	4.92	3.12	1.13	9.17	NA	NA
33216		Insertion of a single transvenous electrode, permanent pacemaker or implantable defibrillator	5.62	4.09	1.27	10.98	NA	NA
33217		Insertion of 2 transvenous electrodes, permanent pacemaker or implantable defibrillator	5.59	4.04	1.27	10.90	NA	NA
33218		Repair of single transvenous electrode, permanent pacemaker or implantable defibrillator	5.82	4.38	1.32	11.52	NA	NA
33220		Repair of 2 transvenous electrodes for permanent pacemaker or implantable defibrillator	5.90	4.00	1.36	11.26	NA	NA
33243		Removal of single or dual chamber implantable defibrillator electrode(s); by thoracotomy	23.57	11.41	5.67	40.65	NA	NA
33244		Removal of single or dual chamber implantable defibrillator electrode(s); by transvenous extraction	13.74	8.54	3.16	25.44	NA	NA
33238		Removal of permanent transvenous electrode(s) by thoracotomy	15.40	9.15	3.61	28.16	NA	NA

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Epicardia	al lead p	rocedures	_	_	1	•		
33202		Insertion of epicardial electrode(s); open incision (e.g., thoracotomy, median sternotomy, subxiphoid approach)	13.20	6.44	3.17	22.81	NA	NA
33203		Insertion of epicardial electrode(s); endoscopic approach (e.g., thoracoscopy, pericardioscopy)	13.97	6.54	3.46	23.97	NA	NA
Left vent	ricle leac	procedures			T	•		
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)	9.04	3.90	2.05	14.99	NA	NA
33225		Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, at time of insertion of implantable defibrillator or pacemaker pulse generator (e.g., for upgrade to dual chamber system) (List separately in addition to code for primary procedure)	8.33	3.29	1.89	13.51	NA	NA
33226		Repositioning of previously implanted cardiac venous system (left ventricle) electrode (including removal, insertion and/or replacement of existing generator)	8.68	3.67	0.02	12.37	NA	NA

CPT® code¹		CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Relocation	on of def	ibrillator pocket	T			T		T
33223		Relocation of skin pocket for implantable defibrillator	6.30	4.34	1.45	12.09	NA	NA
Permane	ent subcu	taneous defibrillator procedu	res					
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	9.10	5.34	2.06	16.50	NA	NA
33271		Insertion of subcutaneous implantable defibrillator electrode	7.50	4.21	1.72	13.43	NA	NA
33272		Removal of subcutaneous implantable defibrillator electrode	5.42	3.60	1.24	10.26	NA	NA
_	or repla	cement of permanent extravas		orillator syst	em			
0571T		Insertion or replacement of implantable cardioverter-defibrillator system with substernal electrode(s), including all imaging guidance and electrophysiological evaluation (includes defibrillation threshold evaluation, induction of arrhythmia, evaluation of sensing for arrhythmia termination, and programming or reprogramming of sensing or therapeutic parameters), when performed	0.00	0.00	0.00	0.00	0.00	0.00

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Lead pro	cedures	,	1	,			_	
0572T		Insertion of substernal implantable defibrillator electrode	0.00	0.00	0.00	0.00	0.00	0.00
0573T		Removal of substernal implantable defibrillator electrode	0.00	0.00	0.00	0.00	0.00	0.00
0574T		Repositioning of previously implanted substernal implantable defibrillatorpacing electrode	0.00	0.00	0.00	0.00	0.00	0.00
Defibrilla	tor thres	hold testing	1	T		T	T	
0577T		Electrophysiologic evaluation of implantable cardioverter-defibrillator system with substernal electrode (includes defibrillation threshold evaluation, induction of arrhythmia, evaluation of sensing for arrhythmia termination, and programming or reprogramming of sensing or therapeutic parameters)	0.00	0.00	0.00	0.00	0.00	0.00
	itor gene	erator removal only		T	T	T		
0580T		Removal of substernal implantable defibrillator pulse generator only	0.00	0.00	0.00	0.00	0.00	0.00
Defibrilla	tor gene	erator changeouts						_
0614T		Removal and replacement of substernal implantable defibrillator pulse generator	0.00	0.00	0.00	0.00	0.00	0.00

CPT® code¹		CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Extravas	cular def	ibrillator programming	1					
0575T		Programming device evaluation (in person) of implantable cardioverter- defibrillator system with substernal electrode, with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review and report by a physician or other qualified health care professional	0.00	0.00	0.00	0.00	0.00	0.00
Extravas	cular def	ibrillator Interrogation						
0576T		Interrogation device evaluation (in person) of implantable cardioverter- defibrillator system with substernal electrode, with analysis, review and report by a physician or other qualified health care professional, includes connection, recording and disconnection per patient encounter	0.00	0.00	0.00	0.00	0.00	0.00
-	cular def	ibrillator device interrogation -					0.00	0.00
0578T		Interrogation device evaluation(s) (remote), up to 90 days, substernal lead implantable cardioverter- defibrillator system with interim analysis, review(s) and report(s) by a physician or other qualified health care professional	0.00	0.00	0.00	0.00	0.00	0.00

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Extravas	cular def	ibrillator device interrogation -	remote					
0579T		Interrogation device evaluation(s) (remote), up to 90 days, substernal lead implantable cardioverter-defibrillator system, remote data acquisition(s), receipt of transmissions and technician review, technical support and distribution of results	0.00	0.00	0.00	0.00	0.00	0.00

Diagnostics procedures

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE	2024 total non- facility
							RVU ²	RVU ²
Mobile c	ardiac te	lemetry procedures					ı	1
93228		External mobile cardiovascular telemetry with electrocardiographic recording, concurrent computerized real-time data analysis, and greater than 24 hours of accessible ECG data storage (retrievable with query) with ECG-triggered and patient-selected events transmitted to a remote attended surveillance center for up to 30 days; review and interpretation with report by a physician or other qualified healthcare professional	0.48	0.23	0.03	0.74	0.23	0.74
93229		External mobile cardiovascular telemetry with electrocardiographic recording, concurrent computerized real-time data analysis, and greater than 24 hours of accessible ECG data storage (retrievable with query) with ECG-triggered and patient-selected events transmitted to a remote attended surveillance center for up to 30 days; technical support for connection and patient instructions for use, attended surveillance, analysis and transmission of daily and emergent data reports as prescribed by a physician or other qualified healthcare professional	0.00	NA	0.09	NA	24.33	24.42

CPT® code¹		CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Subcutar	neous ca	rdiac rhythm monitor procedu				ı	1	•
33285		Insertion, subcutaneous cardiac rhythm monitor, including programming	1.53	0.69	0.35	2.57	122.47	124.35
33286		Removal, subcutaneous cardiac rhythm monitor	1.50	0.68	0.34	2.52	2.03	3.87
Holter m	onitor pr	rocedures						
93224		External electrocardiographic recording up to 48 hours by continuous rhythm recording and storage; includes recording, scanning analysis with report, review and interpretation by a physician or other qualified healthcare professional	0.39	NA	0.03	NA	1.74	2.16
93225		External electrocardiographic recording up to 48 hours by continuous rhythm recording and storage; recording (includes connection, recording, and disconnection)	0.00	NA	0.01	NA	0.54	0.55
93226		External electrocardiographic recording up to 48 hours by continuous rhythm recording and storage; scanning analysis with report	0.00	NA	0.01	NA	1.06	1.07
93227		External electrocardiographic recording up to 48 hours by continuous rhythm recording and storage; review and interpretation by a physician or other qualified healthcare professional	0.39	0.14	0.01	0.54	0.14	0.54

Ventricular assist device procedures

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
33979		Insertion of ventricular assist device, implantable intracorporeal, single ventricle	37.50	10.36	0.09	47.95	NA	NA
33980		Removal of ventricular assist device, implantable intracorporeal, single ventricle	33.50	10.66	8.08	52.24	NA	NA
33982		Replacement of ventricular assist device pump(s); implantable intracorporeal, single ventricle, without cardiopulmonary bypass	37.86	10.09	8.77	56.72	NA	NA
33983		Replacement of ventricular assist device pump(s); implantable intracorporeal, single ventricle, with cardiopulmonary bypass	44.54	11.88	10.33	66.75	NA	NA

Electrophysiology (EP) procedures

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Transtho	racic ech	ocardiography (TTE)						
93303		Transthoracic echocardiography for congenital cardiac anomalies; complete	1.30	NA	0.07	NA	5.21	6.58
93304		Transthoracic echocardiography for congenital cardiac anomalies; follow-up or limited study	0.75	NA	0.05	NA	3.86	4.66

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Transtho	racic ech	ocardiography (TTE)						
93306		Echocardiography, transthoracic, real time with image documentation (2-D), includes M-mode recording, when performed, complete, with spectral Doppler echocardiography, and with color flow Doppler echocardiography	1.46	NA	0.08	NA	4.35	5.89
93307		Echocardiography, transthoracic, real time with image documentation (2-D), includes M-mode recording, when performed, complete, without spectral or color Doppler echocardiography	0.92	NA	0.05	NA	3.12	4.09
93308		Echocardiography, transthoracic, real time with image documentation (2-D), includes M-mode recording, when performed, follow-up or limited study	0.53	NA	0.04	NA	2.39	2.96
Transeso	phageal	echocardiography (TEE)						_
93312		Echocardiography, transesophageal, real time with image documentation (2-D) (with or without M-mode recording); including probe placement, image acquisition, interpretation and report	2.30	NA	0.11	NA	4.65	7.06
93313		Echocardiography, transesophageal, real time with image documentation (2-D) (with or without M-mode recording); placement of transesophageal probe only	0.26	0.05	0.02	0.33	NA	NA

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Transesc	phageal	echocardiography (TEE)		_			_	_
93314	26	Echocardiography, transesophageal, real time with image documentation (2-D) (with or without M-mode recording); image acquisition, interpretation, and report only	1.85	0.59	0.16	2.60	0.59	2.60
93315	26	Transesophageal echocardiography for congenital cardiac anomalies; including probe placement, image acquisition, interpretation, and report	2.69	0.91	0.09	3.69	0.91	3.69
93316		Transesophageal echocardiography for congenital cardiac anomalies; placement of transesophageal probe only	0.60	0.11	0.05	0.76	NA	NA
93317	26	Transesophageal echocardiography for congenital cardiac anomalies; image acquisition, interpretation, and report only	1.84	0.61	0.12	2.57	0.61	2.57
93318	26	Echocardiography, transesophageal (TEE) for monitoring purposes, including probe placement, real-time 2-dimentional image acquisition and interpretation leading to ongoing (continuous) assessment of (dynamically changing) cardiac pumping function and to therapeutic measures on an immediate time basis	2.15	0.70	0.12	2.97	0.70	2.97

CPT® code¹	Mod	CPT® description echocardiography (TEE)	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
93355	priageal	Echocardiography, transesophageal (TEE) for guidance of a transcatheter intracardiac or great vessel(s) structural intervention(s) (e.g., TAVR, transcatheter pulmonary valve replacement, mitral valve repair, paravalvular regurgitation repair, left atrial appendage occlusion/closure, ventricular septal defect closure) (peri- and intraprocedural), real-time image acquisition and documentation, guidance with quantitative measurements, probe manipulation, interpretation, and report, including diagnostic transesophageal echocardiography and, when performed, administration of ultrasound contrast, Doppler, color flow, and 3-D	4.66	1.59	0.33	6.58	NA	NA
	1	y during intervention		T				
93662	26	Intracardiac echocardiography during therapeutic/diagnostic intervention, including imaging supervision and interpretation (list separately in addition to code for primary procedure)	1.44	0.57	0.04	2.05	0.57	2.05

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
	echocar	diography	T	T			T	
93320		Doppler echocardiography, pulsed wave and/or continuous wave with spectral display (list separately in addition to codes for echocardiographic imaging); complete	0.38	NA	0.02	NA	1.12	1.52
93321		Doppler echocardiography, pulsed wave and/or continuous wave with spectral display (list separately in addition to codes for echocardiographic imaging); follow-up or limited study (list separately in addition to codes for echocardiographic imaging)	0.15	NA	0.01	NA	0.59	0.75
93325		Doppler echocardiography color flow velocity mapping (list separately in addition to codes for echocardiography)	0.07	NA	0.00	NA	0.63	0.70
Left hear	t cathete	rization by transseptal punctu		T			T	
93462		Left heart catheterization by transseptal puncture through intact septum or by transapical puncture (list separately in addition to code for primary procedure)	3.73	1.48	0.85	6.06	1.48	6.06
Recordin			1	1			1	
93600	26	Bundle of His recording	2.12	0.86	0.40	3.38	0.86	3.38
93602	26	Intra-atrial recording	2.12	0.82	0.38	3.32	0.82	3.32

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Recordin		T .	_	T	1	_		
93603	26	Right ventricular recording	2.12	0.82	0.38	3.32	0.82	3.32
93615	26	Esophageal recording of atrial electrogram with or without ventricular electrogram(s)	0.74	0.29	0.02	1.05	0.29	1.05
93616	26	Esophageal recording of atrial electrogram with or without ventricular electrogram(s); with pacing	1.24	0.42	0.04	1.70	0.42	1.70
Mapping	3							
93609	26	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)	4.99	2.00	0.94	7.93	2.00	7.93
93613		Intracardiac electrophysiologic 3- dimentional mapping (list separately in addition to code for primary procedure)	5.23	2.08	1.21	8.52	NA	NA
Pacing	T		T =	T	1	T	T	
93610	26	Intra-atrial pacing	3.02	1.13	0.54	4.69	1.13	4.69
93612	26	Intraventricular pacing	3.02	1.09	0.51	4.62	1.09	4.62
93618	26	Induction of arrhythmia by electrical pacing	4.00	1.53	0.74	6.27	1.53	6.27
-		EP evaluation	7.07	2.04	1.22	11.00	2.04	11.00
93619	26	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	7.06	2.81	1.33	11.20	2.81	11.20

CPT® code¹	Mod	CPT® description	2024 work	2024 facility	2024 malpractice	2024 total	2024 non-	2024 total
code			RVU ²	PE RVU ²	RVU ²	facility RVU ²	facility PE	non-
				KVU-		KVU-	r⊏ RVU²	facility RVU ²
Comprel	hensive I	EP evaluation						
93620	26	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	11.32	4.50	2.15	17.97	4.50	17.97
93621	26	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)	1.50	0.60	0.29	2.39	0.60	2.39
93622	26	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)	3.10	1.24	0.59	4.93	1.24	4.93
Program	1						T	
93623	26	Programmed stimulation and pacing after intravenous drug infusion (list separately in addition to code forprimary procedure)	0.98	0.81	0.19	1.98	0.81	1.98

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Pacing a				1			,	
93624	26	Electrophysiologic follow- up study with pacing and recording to test effectiveness of therapy, including induction or attempted induction of arrhythmia	4.55	1.54	0.88	6.97	1.54	6.97
Pacing a					T . = .	T		
93631	26	Intra-operative epicardial and endocardial pacing and mapping to localize the site of tachycardia or zone of slow conduction for surgical correction	7.59	2.36	1.54	11.49	2.36	11.49
EP evalu	1	defibrillator		1			1	T
93640	26	Electrophysiologic evaluation of single or dual chamber pacing cardioverter-defibrillator leads including defibrillation threshold evaluation (induction of arrhythmia, evaluation of sensing and pacing for arrhythmia termination) at time of initial implantation or replacement	3.26	1.26	0.61	5.13	1.26	5.13
93641	26	Electrophysiologic evaluation of single or dual chamber pacing cardioverter-defibrillator leads including defibrillation threshold evaluation (induction of arrhythmia, evaluation of sensing and pacing for arrhythmia termination) at time of initial implantation or replacement; with testing of single or dual chamber pacing cardioverter-defibrillator pulse generator	5.67	2.20	1.10	8.97	2.20	8.97

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
EP evalua	ation of c	defibrillator						
93642	26	Electrophysiologic evaluation of single or dual chamber transvenous pacing cardioverter- defibrillator (includes defibrillation threshold evaluation, induction of arrhythmia, evaluation of sensing and pacing for arrhythmia termination, and programming or reprogramming of sensing or therapeutic parameters)	4.63	1.80	0.89	7.32	1.80	7.32
93644		Electrophysiologic evaluation of subcutaneous implantable defibrillator (includes defibrillation threshold evaluation, induction of arrhythmia, evaluation of sensing for arrhythmia termination, and programming or reprogramming of sensing or therapeutic parameters)	3.04	NA	0.10	NA	2.55	5.69
Noninvas	sive prog	grammed stimulation (NIPS) pa	cemaker					
93724		Electronic analysis of antitachycardia pacemaker system (includes electrocardiographic recording, programming of device, induction and termination of tachycardia via implanted pacemaker, and interpretation of recordings)	4.88	NA	0.16	NA	3.24	8.28

CPT® code¹	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
73660 93660	Evaluation of cardiovascular function with tilt table evaluation, with continuous ECG monitoring and intermittent blood pressure monitoring, with or without pharmacological intervention	1.89	NA	0.09	NA	2.88	4.86

Device evaluations/monitoring procedures

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
	er devic	e programming - in person	T	T	T	T	T	
93279		Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; single lead pacemaker system or leadless pacemaker system in one cardiac chamber	0.65	NA	0.03	NA	1.33	2.01
93279	26	Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; single lead pacemaker system or leadless pacemaker system in one cardiac chamber	0.65	0.24	0.02	0.91	0.24	0.91

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
		e programming - in person	0.55				4.55	4.15
93279	TC	Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; single lead pacemaker system or leadless pacemaker system in one cardiac chamber	0.00	NA	0.01	NA	1.09	1.10
93280		Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; dual lead pacemaker system	0.77	NA	0.03	NA	1.55	2.35
93280	26	Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; dual lead pacemaker system	0.77	0.29	0.02	1.08	0.29	1.08

CPT® code¹		CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
93281	er devic	Programming - in person Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; multiple lead pacemaker system	0.85	NA	0.04	NA	1.61	2.50
93281	26	Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; multiple lead pacemaker system	0.85	0.33	0.03	1.21	0.33	1.21
93281	TC	Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; multiple lead pacemaker system	0.00	NA	0.01	NA	1.28	1.29

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Pacemak	ker devic	e interrogation - in person						
93288		Interrogation device evaluation (in person) with analysis, review, and report by a physician or other qualified healthcare professional, includes connection, recording, and disconnection per patient encounter; single, dual, or multiple lead pacemaker system, or leadless pacemaker system	0.43	NA	0.02	NA	1.23	1.68
93288	26	Interrogation device evaluation (in person) with analysis, review, and report by a physician or other qualified healthcare professional, includes connection, recording, and disconnection per patient encounter; single, dual, or multiple lead pacemaker system, or leadless pacemaker system	0.43	0.16	0.01	0.60	0.16	0.60
93288	TC	Interrogation device evaluation (in person) with analysis, review, and report by a physician or other qualified healthcare professional, includes connection, recording, and disconnection per patient encounter; single, dual, or multiple lead pacemaker system, or leadless pacemaker system	0.00	NA	0.01	NA	1.07	1.08

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
	cer devic	e evaluations - remote	0.40	0.22	0.04	0.07	0.22	0.07
93294		Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead pacemaker system, or leadless pacemaker system with interim analysis, review(s), and report(s) by a physician or other qualified healthcare professional	0.60	0.23	0.04	0.87	0.23	0.87
93296	nous defi	Interrogation device evaluation(s)(remote), up to 90 days; single, dual, or multiple lead pacemaker system, leadless pacemaker system, or implantable defibrillator system, remote data acquisition(s), receipt of transmissions, and technician review, technical support, and distribution of results brillator programming - in per	0.00	NA	0.01	NA	0.63	0.64
93282	lous dell	Programming device	0.85	NA	0.04	NA	1.48	2.37
73202		evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; single lead transvenous implantable defibrillator system						

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
	1	brillator programming - in per		T = ==		T		1.00
93282	26	Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; single lead transvenous implantable defibrillator system	0.85	0.32	0.03	1.20	0.32	1.20
93282	TC	Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; single lead transvenous implantable defibrillator system	0.00	NA	0.01	NA	1.16	1.17
93283		Programming device evaluations (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; dual lead transvenous implantable defibrillator system	1.15	NA	0.05	NA	1.71	2.91

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Transver	1	brillator programming - in per	1		1			
93283	26	Programming device evaluations (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; dual lead transvenous implantable defibrillator system	1.15	0.44	0.04	1.63	0.44	1.63
93283	TC	Programming device evaluations (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; dual lead transvenous implantable defibrillator system	0.00	NA	0.01	NA	1.27	1.28
93284		Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; multiple lead transvenous implantable defibrillator system	1.25	NA	0.05	NA	1.84	3.14

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
		brillator programming - in per		0.40		4 77	0.40	4 77
93284	26	Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; multiple lead transvenous implantable defibrillator system	1.25	0.48	0.04	1.77	0.48	1.77
93284	TC	Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; multiple lead transvenous implantable defibrillator system	0.00	NA	0.01	NA	1.36	1.37
Transver	ous defi	brillator interrogation - in pers	on			L	L	
93289		Interrogation device evaluation (in person) with analysis, review, and report by a physician or other qualified healthcare professional, includes connection, recording, and disconnection per patient encounter; single, dual, or multiple lead transvenous implantable defibrillator system, including analysis of heart rhythm- derived data elements	0.75	NA	0.04	NA	1.36	2.15

CPT® code¹	Mod	CPT® description brillator programming - in per	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
93289	26	Interrogation device evaluation (in person) with analysis, review, and report by a physician or other qualified healthcare professional, includes connection, recording, and disconnection per patient encounter; single, dual, or multiple lead transvenous implantable defibrillator system, including analysis of heart rhythm- derived data elements	0.75	0.28	0.03	1.06	0.28	1.06
93289	TC	Interrogation device evaluation (in person) with analysis, review, and report by a physician or other qualified healthcare professional, includes connection, recording, and disconnection per patient encounter; single, dual, or multiple lead transvenous implantable defibrillator system, including analysis of heart rhythm- derived data elements	0.00	NA	0.01	NA	1.08	1.09
	ious defi	brillator device interrogation -			0.05			
93295		Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead implantable defibrillator system with interim analysis, review(s), and report(s) by a physician or other qualified healthcare professional	0.74	0.29	0.05	1.08	0.29	1.08

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Transven	ous defil	brillator device interrogation -		T				T
93296		Interrogation device evaluation(s)(remote), up to 90 days; single, dual, or multiple lead pacemaker system, leadless pacemaker system, or implantable defibrillator system, remote data acquisition(s), receipt of transmissions, and technician review, technical support, and distribution of results	0.00	NA	0.01	NA	0.63	0.64
Implanta	ble cardi	iovascular physiologic monitor	interrogat	ion (OptiVo	l™) - in person			
93290		Interrogation device evaluation (in person) with analysis, review, and report by a physician or other qualified healthcare professional, includes connection, recording, and disconnection per patient encounter; implantable cardiovascular physiologic monitor system, including analysis of one or more recorded physiologic cardiovascular data element(s) from all internal and external sensors	0.43	NA	0.03	NA	1.13	1.59

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
93290	26	iovascular physiologic monitor Interrogation device	0.43	0.16	0.02	0.61	0.16	0.61
73270	20	evaluation (in person) with	0.40	0.10	0.02	0.01	0.10	0.01
		analysis, review, and report						
		by a physician or other						
		qualified healthcare						
		professional, includes						
		connection, recording, and						
		disconnection per patient						
		encounter; implantable						
		cardiovascular physiologic						
		monitor system, including						
		analysis of one or more						
		recorded physiologic cardiovascular data						
		element(s) from all internal						
		and external sensors						
93290	TC	Interrogation device	0.00	NA	0.01	NA	0.97	0.98
75270		evaluation (in person) with						
		analysis, review, and report						
		by a physician or other						
		qualified healthcare						
		professional, includes						
		connection, recording, and						
		disconnection per patient						
		encounter; implantable						
		cardiovascular physiologic						
		monitor system, including						
		analysis of one or more						
		recorded physiologic						
		cardiovascular data						
		element(s) from all internal						
	1	and external sensors				1	1	

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
	ble cardi	ovascular physiologic monitor				T	1.0:	
93297		Interrogation device evaluation(s), (remote) up to 30 days; implantable cardiovascular physiologic monitor system, including analysis of one or more recorded physiologic cardiovascular data element(s) from all internal and external sensors, analysis, review(s), and report(s) by a physician or other qualified healthcare professional	0.52	NA	0.03	NA	1.26	1.81
93297	26	Interrogation device evaluation(s), (remote) up to 30 days; implantable cardiovascular physiologic monitor system, including analysis of one or more recorded physiologic cardiovascular data element(s) from all internal and external sensors, analysis, review(s), and report(s) by a physician or other qualified healthcare professional	0.52	0.19	0.02	0.73	0.19	0.73
93297	TC	Interrogation device evaluation(s), (remote) up to 30 days; implantable cardiovascular physiologic monitor system, including analysis of one or more recorded physiologic cardiovascular data element(s) from all internal and external sensors, analysis, review(s), and report(s) by a physician or other qualified healthcare professional	0.00	NA	0.01	NA	1.07	1.08

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
93291	neous ca	Interrogation device evaluation (in person) with analysis, review, and report by a physician or other qualified healthcare professional, includes connection, recording, and disconnection per patient encounter; subcutaneous cardiac rhythm monitor system, including heart rhythm- derived data analysis	0.37	NA	0.02	NA	1.07	1.46
93291	26	Interrogation device evaluation (in person) with analysis, review, and report by a physician or other qualified healthcare professional, includes connection, recording, and disconnection per patient encounter; subcutaneous cardiac rhythm monitor system, including heart rhythm- derived data analysis	0.37	0.14	0.01	0.52	0.14	0.52
93291	TC	Interrogation device evaluation (in person) with analysis, review, and report by a physician or other qualified healthcare professional, includes connection, recording, and disconnection per patient encounter; subcutaneous cardiac rhythm monitor system, including heart rhythm- derived data analysis	0.00	NA	0.01	NA	0.93	0.94

CPT® code¹		CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
93285		Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; subcutaneous cardiac rhythm monitor system	0.52	NA	0.03	NA	1.24	1.79
93285	26	Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; subcutaneous cardiac rhythm monitor system	0.52	0.20	0.02	0.74	0.20	0.74
93285	TC	Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with analysis, review, and report by a physician or other qualified healthcare professional; subcutaneous cardiac rhythm monitor system	0.00	NA	0.01	NA	1.04	1.05

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Subcutar	neous ca	rdiac rhythm monitor program	nming - ren	note				
0650T		Programming device evaluation (remote) of subcutaneous cardiac rhythm monitor system, with iterative adjustment of the implantable device to test the function of the device and select optimal permanently programmed values with analysis, review and report by a physician or other qualified health care professional	0.00	NA	0.00	NA	0.00	0.00
0650T	TC	Programming device evaluation (remote) of subcutaneous cardiac rhythm monitor system, with iterative adjustment of the implantable device to test the function of the device and select optimal permanently programmed values with analysis, review and report by a physician or other qualified health care professional	0.00	NA	0.00	NA	0.00	0.00
0650T	26	Programming device evaluation (remote) of subcutaneous cardiac rhythm monitor system, with iterative adjustment of the implantable device to test the function of the device and select optimal permanently programmed values with analysis, review and report by a physician or other qualified health care professional	0.00	0.00	0.00	0.00	0.00	0.00

CPT® code¹		CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Subcutar	neous ca	rdiac rhythm monitor interroga				1		T
93298		Interrogation device evaluation(s), (remote) up to 30 days; subcutaneous cardiac rhythm monitor system, including analysis of recorded heart rhythm data, analysis, review(s), and report(s) by a physician or other qualified healthcare professional	0.52	NA	0.04	NA	2.49	3.05
93298	26	Interrogation device evaluation(s), (remote) up to 30 days; subcutaneous cardiac rhythm monitor system, including analysis of recorded heart rhythm data, analysis, review(s), and report(s) by a physician or other qualified healthcare professional	0.52	0.19	0.02	0.73	0.19	0.73
93298	TC	Interrogation device evaluation(s), (remote) up to 30 days; subcutaneous cardiac rhythm monitor system, including analysis of recorded heart rhythm data, analysis, review(s), and report(s) by a physician or other qualified healthcare professional	0.00	NA	0.02	NA	2.30	2.32

Cardiac catheter ablation procedures

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
93650		Intracardiac catheter ablation of atrioventricular node function, atrioventricular conduction for creation of complete heart block, with or without temporary pacemaker placement	10.24	4.44	2.32	17.00	NA	NA
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 intracardia electrophysiologic 3- dimensional mapping right ventricle 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	15.00	6.00	3.42	24.42	NA	NA

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
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	18.10	7.20	4.12	29.42	NA	NA
93655		Intracardiac catheter ablation of a discrete mechanism of arrhythmia that 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)	5.50	2.20	1.25	8.95	NA	NA

CPT® code¹	Mod	CPT® description	2024 work RVU²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
93656		Comprehensive electrophysiologic evaluation including transseptal catheterizations, insertion and repositioning of multiple electrode catheters with intracardiac catheter ablation of atrial fibrillation by pulmonary vein isolation, including intracardiac electrophysiologic 3- dimensional mapping, intracardiac echocardiography including imaging supervision and interpretation, induction or attempted induction of an arrhythmia including left or right atrial pacing/recording, right ventricular pacing/recording, and His bundle recording, when performed	17.00	6.82	3.87	27.69	NA	NA
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)	5.50	2.21	1.25	8.96	NA	NA

Ablation-related add-on EP procedures

CPT® code¹	Mod	CPT® description	2024 work RVU ²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Left hear	t cathete	rization by transseptal punctur		T		1		ı
93462		Left heart catheterization by transseptal puncture through intact septum or by transapical puncture (list separately in addition to code for primary procedure)	3.73	1.48	0.85	6.06	1.48	6.06
Comprel	nensive E	P with left atrial pacing and re	cording					
93621	26	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)	1.50	0.60	0.29	2.39	0.60	2.39
Comprel	nensive E	EP with left ventricle pacing and	d recording	9				
93622	26	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)	3.10	1.24	0.59	4.93	1.24	4.93

CPT® code¹	Mod	CPT® description	2024 work RVU²	2024 facility PE RVU ²	2024 malpractice RVU ²	2024 total facility RVU ²	2024 non- facility PE RVU ²	2024 total non- facility RVU ²
Compre		EP with left atrial pacing and re		T			_	
93623	26	Programmed stimulation and pacing after intravenous drug infusion (list separately in addition to code for primary procedure)	0.98	0.81	0.19	1.98	0.81	1.98
93662	26	Intracardiac echocardiography during therapeutic/diagnostic intervention, including imaging supervision and interpretation (list separately in addition to code for primary procedure)	1.44	0.57	0.04	2.05	0.57	2.05
Mapping	3							
93609	26	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)	4.99	2.00	0.94	7.93	2.00	7.93
93613		Intracardiac electrophysiologic 3-dimensional mapping (list separately in addition to code for primary procedure)	5.23	2.08	1.21	8.52	NA	NA

TC: Technical Component modifier 26: Professional Component modifier

References

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- ²The Medicare Physician Fee Schedule (MPFS) 2024 National payment rates based on information published in the MPFS final rule CMS-1784-F that was released November 2, 2023.
- PFS Federal Regulation Notices. cms.gov <a href="https://www.cms.gov/medicare/medicare-fee-service-payment/physicianfeesched/pfs-federal-regulation-payment/physicianfeesched/pfs-federa notices/cms-1784-f Accessed December 13, 2023.

PFS Relative Value Files. cms.gov https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/PhysicianFeeSched/PFS-Relative-Value-Files Local physician rates will vary based on location specific factors not reflected in this document. CMS may make adjustments to any or all of the data inputs from time to time.

Contact

Cardiac rhythm and heart Failure, cardiac catheter ablation, and cardiac diagnostic coding, coverage, and reimbursement information is available at medtronic.com/CRHFreimbursement.

For questions or more information, please contact Reimbursement Customer Support at 1-866-877-4102 (M-F, 8:00 a.m. to 5:00 p.m. CT) or rs.healthcareeconomics@medtronic.com.

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