

## Procedure codes: Cardiac devices and catheter ablations

This document reflects commonly billed procedure codes used by hospitals or physicians for the reporting of cardiac device and catheter ablation procedures. This is not an all-inclusive list. The descriptions below are based upon the CPT® short descriptors but may have additional wording included from the CPT® long descriptor to differentiate from other procedures with similar short descriptors.

For ASC-related information, please see our coding overview [HERE](#).

Pacemaker (PM) procedures	
33206	Insert new or replace perm PM w/atrial lead
33207	Insert new or replace perm PM w/ventricular lead
33208	Insert new or replace perm PM w/atrial and ventricular leads
33274 ⓘ	Transcatheter insert or replace perm leadless PM, ventricular
33212	Insert PM generator only; w/existing single lead
33213	Insert PM generator only; w/existing dual leads
33221	Insert PM generator only; w/existing multiple leads
33227	Remove perm PM generator w/replacement of PM generator; single lead system
33228	Remove perm PM generator w/replacement of PM generator; dual lead system
33229	Remove perm PM generator w/replacement of PM generator; multiple lead system
33233	Remove perm PM generator only
33275	Transcatheter removal perm leadless PM, ventricular
33214	Upgrade single PM to dual PM (includes removal of PM generator, test existing lead, insert new lead and insert new PM generator)
33222	Relocation of skin pocket for pacemaker
Implantable defibrillator procedures	
33230	Insert implantable defibrillator generator only; w/existing dual leads
33231	Insert implantable defibrillator generator only; w/existing multiple leads
33240	Insert implantable defibrillator generator only; w/existing single lead
33241	Remove implantable defibrillator generator only
33262	Remove implantable defibrillator generator w/replacement of implantable defibrillator generator; single lead system
33263	Remove implantable defibrillator generator w/replacement of implantable defibrillator generator; dual lead system
33264	Remove implantable defibrillator generator w/replacement of implantable defibrillator generator; multiple lead system
33249	Insert or replace perm implantable defibrillator system, with transvenous lead(s); single or dual chamber
93641*	DFT testing of device/leads at initial implant or replacement
33270	Insert or replace perm subcutaneous implantable defibrillator system
33223	Relocation of skin pocket for implantable defibrillator
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
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)
0580T	Removal of substernal implantable defibrillator pulse generator only
0614T	Removal and replacement of substernal implantable defibrillator pulse generator

Pacemaker and implantable defibrillator lead procedures	
33210	Insert/replace temp lead/catheter - single chamber lead
33211	Insert/replace temp dual chamber leads
33215	Reposition previously implanted transvenous right atrial or right ventricular lead, perm PM or implantable defibrillator
33216	Insert single transvenous lead, perm PM or implantable defibrillator
33217	Insert 2 transvenous leads, perm PM or implantable defibrillator
33218	Repair single transvenous lead, perm PM or implantable defibrillator
33220	Repair 2 transvenous leads, perm PM or implantable defibrillator
33224	Insert LV lead, attach to previously placed generator
+33225	Insert LV lead at time of generator implant or replacement
33226	Reposition previously implanted LV lead
33234	Remove transvenous PM electrode single lead system
33235	Remove transvenous PM electrode(s) dual lead system
33243	Remove single or dual implantable defibrillator leads; by thoracotomy
33244	Remove single or dual implantable defibrillator lead(s); by transvenous extraction
33271	Insert subcutaneous defibrillator lead
33272	Remove subcutaneous implantable defibrillator electrode
33273	Reposition previously implanted subcutaneous implantable defibrillator lead
0572T	Insertion of substernal implantable defibrillator electrode
0573T	Removal of substernal implantable defibrillator electrode
0574T	Repositioning of previously implanted substernal implantable defibrillator-pacing electrode
CRT-P implant <sup>1</sup>	
33206	Insert new or replace perm PM w/atrial lead
33207	Insert new or replace perm PM w/ventricular lead
33208	Insert new or replace perm PM w/atrial and ventricular leads
33214	Upgrade single PM to dual PM (includes removal of PM generator, test existing lead, insert new lead and insert new PM generator)
33221	Insert PM generator only; w/existing multiple leads
+33225	Insert LV lead at time of generator implant or replacement
33229	Remove perm PM generator w/replacement of PM generator; multiple lead system
CRT-D implant <sup>1</sup>	
+33225	Insert LV lead at time of generator implant or replacement
33231	Insert implantable defibrillator generator only; w/existing multiple leads
33249	Insert or replace perm pacing implantable defibrillator system with transvenous lead(s); single or dual chamber
33264	Remove implantable defibrillator generator w/replacement of implantable defibrillator generator; multiple lead system
93641*	DFT testing of ICD device/leads at initial implant or replacement

**Notes:** Codes preceded by a + symbol are add-on codes; bill in addition to the primary service/procedure.

\*Service performed in a facility setting (i.e., hospital) may require a -26 modifier that represents professional component only.

<sup>1</sup>Include the insertion of the LV lead at time of the generator implant or replacement (+33225).

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Catheter ablations (Review your CPT codebook for the applicable Add-on codes)		
+93462	Left heart catheterization by transeptal puncture	
93650	Catheter ablation AV node with or w/o temporary pacemaker	
93653	EPS including RA , RV and LA pacing/recording,3D mapping and His recording (when necessary) with catheter ablation of arrhythmogenic focus; with treatment of SVT	
93654	EPS including RA , RV and LA pacing/recording , 3D mapping and His recording (when necessary) with catheter ablation of arrhythmogenic focus; with treatment of VT	
+93655	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 (Use 93655 in conjunction with 93653, 93654, 93656)	
93656	EPS including transeptal catheterizations, LA, RA and RV pacing/ recording, when necessary,3D mapping, ICE , and His bundle recording when necessary with catheter ablation of AF by PVI	
+93662	Intracardiac echo during intervention/includes imaging	
+93657	Additional linear or focal catheter ablation of the left or right atrium for treatment of atrial fibrillation remaining after completion of pulmonary vein isolation (Use 93657 in conjunction with 93656)	
Additional EP procedures		
93600*	Bundle of His recording	
93602*	Intra-atrial recording	
93603*	Right ventricular recording	
+93609*	Intraventricular and/or intra-atrial mapping of tachycardia	
93610*	Intra-atrial pacing	
93612*	Intraventricular pacing	
+93613	Intracardiac electrophysiologic 3D mapping (Do not report with 93653,93654 or 93656)	
93615*	Esophageal recording of atrial electrogram	
93616*	Esophageal recording of atrial electrogram w/pacing	
93618*	Induction of arrhythmia by electrical pacing	
93624*	EP follow-up w/pacing/recording w/induction or attempted induction of arrhythmia	
93631*	Intra-operative epicardial/endocardial pacing/mapping	
93660*	Tilt table evaluation	
Cardioversion		
92960	Cardioversion, elective, conversion of arrhythmia, external	
92961	Cardioversion, elective, conversion of arrhythmia, internal	

EP implantable defibrillator follow-up		
93642*	EP evaluation transvenous single/dual implantable defibrillator	
93644*	EP evaluation subcutaneous implantable defibrillator	
Comprehensive EP procedures		
93619*	Comp EP eval; RA and RV pacing/recording/His	
93620*	Comp EP eval w/arrhythmia; RA and RV pacing/recording/His	
+93621*	Comp EP eval w/arrhythmia; LA pacing/recording from CS or LA	
+93622*	Comp EP eval w/arrhythmia; LV pacing/recording	
+93623*	Programmed stimulation and pacing after IV drug infusion	
Transthoracic echocardiography		
93303*	Echo transthoracic, congenital; complete	
93304*	Echo transthoracic, congenital; follow-up or limited study	
93306*	Echo transthoracic 2D, complete w/spectral and color flow Doppler	
93307*	Echo transthoracic 2D, complete w/o spectral or color flow Doppler	
93308*	Echo transthoracic 2D, follow-up or limited study	
+93320*	Doppler pulsed and/or continuous wave with spectral display; complete (Use 93320 in conjunction with 93303, 93304)	
+93321*	Doppler pulsed and/or continuous wave with spectral display; follow- up or limited study (Use 93321 in conjunction with 93303, 93304, 93308)	
+93325*	Doppler echo color flow velocity mapping (Use 93325 in conjunction with 93303, 93304, 93308)	
Ventricular assist device (VAD) procedures		
33979	Insert intracorporeal device single ventricle	
33980	Remove intracorporeal device single ventricle	
33982	Replace VAD intracorporeal w/o BP	
33983	Replace VAD intracorporeal w/BP	
Subcutaneous cardiac rhythm monitor		
33285	Implant subcutaneous cardiac rhythm monitor	
33286	Remove subcutaneous cardiac rhythm monitor	

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Remember to check the National Correct Coding Initiative (NCCI) edits.

Access your CPT codebook for additional coding information

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