# Implantable Cardioverter Defibrillator (ICD) and Cardiac Resynchronization Therapy for Defibrillators (CRT-D) Procedures

## Frequently Used CPT® Codes – Hospital Outpatient and Physician Services

Hospital Name ____________________

Procedure Date ____________________

Physician Name ____________________

Physician Signature ____________________

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### Insertion or Replacement

Replacement of a pulse generator should be reported with a code for removal of the pulse generator and a code for the insertion of the pulse generator.

CRT-D requires the placement of a left ventricular (LV) lead, which is reported separately in addition to the single or dual chamber ICD system.

ICD SYSTEM (pulse generator and leads)

_____ 33249 Insertion or repositioning of electrode lead(s) for single or dual chamber pacing cardioverter defibrillator and insertion of pulse generator

PULSE GENERATOR ONLY

_____ 33240 Insertion of single or dual chamber pacing cardioverter-defibrillator pulse generator

LEAD(S)

_____ 33216 Insertion of a transvenous electrode; single chamber (one electrode) permanent pacemaker or single chamber pacing cardioverter-defibrillator

_____ 33217 dual-chamber (two electrodes) permanent pacemaker or dual chamber pacing cardioverter-defibrillator (Do not report 33216-3217 in conjunction with 33214)

_____ 33224 Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, with attachment to previously placed pacemaker or pacing cardioverter-defibrillator pulse generator (including revision of pocket, removal, insertion and/or replacement of generator) (When epicardial electrode placement is performed, report 33224 in conjunction with 33202, 33203)

_____+33225 Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, at time of insertion of pacing cardioverter-defibrillator or pacemaker pulse generator (including upgrade to dual-chamber system) (Use in conjunction with 33206, 33207, 33208, 33212, 33213, 33214, 33216, 33217, 33222, 33233, 33234, 33235, 33240, 33249)

### Removal

_____ 33241 Subcutaneous removal of single or dual chamber pacing cardioverter-defibrillator pulse generator

_____ 33244 Removal of single of dual chamber pacing cardioverter-defibrillator electords(s); by transvenous extraction

### Repositioning/Repair/Revision

_____ 33215 Repositioning of previously implanted transvenous pacemaker or pacing cardioverter-defibrillator (right atrial or right ventricular) electrode

_____ 33218 Repair of single transvenous electrode for a single chamber, permanent pacemaker or single chamber pacing cardioverter-defibrillator

_____ 33220 Repair of two transvenous electrodes for a dual chamber permanent pacemaker or dual chamber pacing cardioverter-defibrillator

_____ 33223 Revision of skin pocket for single or dual chamber pacing cardioverter-defibrillator

_____ 33226 Repositioning of previously implanted cardiac venous system (left ventricular) electrode (including removal, insertion and/or replacement of generator)

### Radiological Supervision & Interpretation

_____ 71090 Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation

### Electrophysiologic Evaluation

_____ 93640 Electrophysiologic evaluation of single or dual chamberpacing 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

_____ 93641 with testing of single or dual chamber pacing cardioverter-defibrillator pulse generator

_____ 93642 Electrophysiologic evaluation of single or dual chamber 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)

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## Timing Optimization by Echocardiography

_____ 93307 Echocardiography, transthoracic, real-time with image documentation (2D), includes M-mode recording, when performed, complete, without spectral or color Doppler echocardiography (Do not report 93307 in conjunction with 93320, 93321, 93325)

_____ 93308 Echocardiography, transthoracic, real-time with image documentation (2D), includes M-mode recording, when performed, follow-up or limited study

_____+93320 Doppler echocardiography, pulsed wave and/or continuous wave with spectral display; complete (Use in conjunction with 93303, 93304, 93312, 93314, 93315, 93317, 93350, 93351)

_____+93321 follow-up or limited study (Use in conjunction with 93303, 93304, 93308, 93312, 93314, 93315, 93317, 93350, 93351)

_____+93325 Doppler echocardiography color flow velocity mapping (Use in conjunction with 76825, 76826, 76827, 76828, 93303, 93304, 93308, 93312, 93314, 93315, 93317, 93350, 93351)

*Note: When tissue Doppler imaging (TDI) is used rather than Doppler color flow velocity, report unlisted cardiovascular code 93799.*

## Add-on Codes

Add-on codes are always performed in addition to the primary service or procedure and must never be reported as a stand-alone code. These codes are designated with the symbol +.

## Modifiers

Providers can indicate that a service or procedure has been altered by a specific circumstance but has not changed in its definition or code. For example, modifiers may be used to report:

- only the professional component (-26)
- multiple procedures performed at the same session by the same provider (-51)
- distinct procedural service (-59)
- co-surgery (-62)
- that a procedure was discontinued (-53 for physician reporting; -73 or -74 for hospital reporting)

Consult the current CPT and/or HCPCS manual for a complete listing of modifiers, their definitions and guidelines.

## References

American Medical Association. Current Procedural Terminology (CPT) 2010. Professional Edition. Chicago, IL: 2009.

## Disclaimer

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