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

**FREQUENTLY USED CPT‡ CODES - HOSPITAL OUTPATIENT AND PHYSICIAN SERVICES**

<table>
<thead>
<tr>
<th>Hospital Name</th>
<th>Procedure Date</th>
<th>Physician Name</th>
<th>Physician Signature</th>
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This list is not inclusive of all Implantable Cardioverter Defibrillator (ICD) and Cardiac Resynchronization Therapy for Defibrillators (CRT-D) procedure scenarios. The document does not represent any opinion or endorsement by Abbott of any particular approach to patient management or treatment. It is provided for illustrative and educational purposes only.

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

<table>
<thead>
<tr>
<th>ICD SYSTEM (pulse generator and leads)</th>
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<tbody>
<tr>
<td><strong>33249</strong></td>
<td>Insertion or repositioning of electrode lead(s) for single or dual chamber pacing cardioverter-defibrillator and insertion of pulse generator</td>
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<table>
<thead>
<tr>
<th>PULSE GENERATOR ONLY (with existing leads)</th>
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<tbody>
<tr>
<td><strong>33240</strong></td>
<td>Insertion of single lead pacing cardioverter-defibrillator pulse generator</td>
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<tr>
<td><strong>33230</strong></td>
<td>Dual lead</td>
<td></td>
<td></td>
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<tr>
<td><strong>33231</strong></td>
<td>Multiple lead</td>
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<tr>
<th>LEAD(S)</th>
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<tbody>
<tr>
<td><strong>33216</strong></td>
<td>Insertion of a transvenous electrode; single lead (one electrode)</td>
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<tr>
<td><strong>33217</strong></td>
<td>Dual lead (two electrodes)</td>
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<tr>
<td><strong>33224</strong></td>
<td>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)</td>
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<tr>
<th>RADIOLOGICAL SUPERVISION AND INTERPRETATION</th>
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<tr>
<td><strong>76000</strong></td>
<td>Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation; diagnostic only</td>
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## REMOVAL ONLY

- **33241** Subcutaneous removal of single or dual chamber pacing cardioverter-defibrillator pulse generator
- **33244** Removal of single or dual chamber cardioverter-defibrillator electrode(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 (for atrial or ventricular single chamber repair of pacemaker electrode[s] with replacement of pulse generator, see 33212 or 33213 and 33218 or 33220)
- **33220** Repair of two transvenous electrodes for a dual chamber permanent pacemaker or dual chamber pacing cardioverter-defibrillator
- **33223** Relocation 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 AND INTERPRETATION

- **76000** Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation; diagnostic only

*Abbott*
ELECTROPHYSIOLOGIC EVALUATION

93640  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

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)

REMOVAL WITH REPLACEMENT

33262  Removal of ICD generator with replacement of ICD generator; single lead system

33263  Dual lead system

33264  Multiple lead system

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 standalone 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


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