## Cardiac Pacemaker and Cardiac Resynchronization Therapy for Pacemakers (CRT-P) Procedures

### FREQUENTLY USED CPT Codes - Hospital Outpatient and Physician Services

<table>
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<tr>
<th>Hospital Name</th>
<th>Procedure Date</th>
<th>Physician Name</th>
<th>Physician Signature</th>
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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-P requires the placement of a left ventricular (LV) lead, which is reported separately in addition to the single or dual chamber pacemaker system.

#### PACEMAKER SYSTEM

- **33206** Insertion or replacement of permanent pacemaker with transvenous electrode(s); atrial
- **33207** Ventricular
- **33208** Atrial and ventricular

**Note:** Codes 33206-33208 include subcutaneous insertion of the pulse generator and transvenous placement of electrode[s].

#### TEMPORARY

- **33210** Insertion or replacement of temporary transvenous single chamber cardiac electrode or pacemaker catheter (separate procedure)
- **33211** Insertion or replacement of temporary transvenous dual chamber pacing electrodes (separate procedure)

**Note:** If temporary pacemaker is being used as a bridge (e.g., for a pacemaker-dependent patient) during permanent device implant procedure, use -59 to indicate distinct procedural service.

#### PULSE GENERATOR ONLY

- **33212** Insertion or replacement of pacemaker pulse generator only; with existing single lead
- **33213** With existing dual leads
- **33221** With existing multiple leads

### Removal and/or Replacement

- **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) (When epicardial electrode placement is performed, report 33214 in conjunction with 33202, 33203)
- **33227** Removal of permanent pacemaker with replacement of pacemaker; single lead system for removal of the pulse generator and a code for the insertion of the pulse generator.
- **33228** Removal of permanent pacemaker with replacement of pacemaker; single lead system
  - **33228** Dual lead system
  - **33229** Multiple lead system

#### LEAD(S)

- **33216** Insertion of a transvenous electrode; single chamber (1 electrode) permanent pacemaker or single chamber pacing cardioverter-defibrillator
  - (Do not report in conjunction with 33214)
- **33217** Dual chamber (2 electrodes) permanent pacemaker or dual chamber pacing cardioverter-defibrillator
  - (Do not report in conjunction with 33214)
- **+33224** Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, with attachment to previously place 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 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) (List separately in addition to code for primary procedure) (Use in conjunction with 33206, 33207, 33208, 33212, 33213, 33214, 33216, 33217, 33222, 33233, 33234, 33235, 33240, 33249)
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 Defibrillator 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 modifier, their defibrillator and guidelines.

References

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