

# Implantable Cardioverter Defibrillators (ICDs)

## 2008 Reimbursement Coding Checklist

\_\_\_\_ Patient Name

\_\_\_\_ Hospital Name/Location

\_\_\_\_ Date and Time of Procedure

\_\_\_\_ Physician Name

\_\_\_\_ Physician Signature

\_\_\_\_ Total Procedure Time

### Commonly Billed ICD-9-CM Procedure Codes<sup>1</sup> (Hospital Inpatient)

#### ICD System Insertion/Replacement

\_\_\_\_ **37.94 Implantation or replacement of automatic cardioverter defibrillator, total system [AICD]**

**Note:** Device testing during procedure – omit code

- Implantation of defibrillator with leads (epicardial patches), formation of pocket (abdominal fascia) (subcutaneous), any transvenous leads, intraoperative procedures for evaluation of lead signals, and obtaining defibrillator threshold measurements

- Techniques: lateral thoracotomy, medial sternotomy, subxiphoid procedure

Code also extracorporeal circulation, if performed (39.61)

Code also any concomitant procedure [e.g., coronary bypass] (36.00–36.19)

**Excludes:**

- Implantation of cardiac resynchronization defibrillator, total system [CRT-D] (00.51)

#### ICD Insertion/Replacement

\_\_\_\_ **37.96 Implantation of automatic cardioverter defibrillator pulse generator only**

**Note:** Device testing during procedure – omit code

**Excludes:**

- Implantation or replacement of cardiac resynchronization defibrillator, pulse generator device only [CRT-D] (00.54)

\_\_\_\_ **37.98 Replacement of automatic cardioverter defibrillator pulse generator only**

**Note:** Device testing during procedure – omit code

**Excludes:**

- Replacement of cardiac resynchronization defibrillator, pulse generator device only [CRT-D] (00.54)

#### Lead Insertion/Replacement

\_\_\_\_ **37.95 Implantation of automatic cardioverter defibrillator lead(s) only**

\_\_\_\_ **37.97 Replacement of automatic cardioverter defibrillator lead(s) only**

**Excludes:**

- Replacement of epicardial lead [electrode] into epicardium (37.74)
- Replacement of transvenous lead [electrode] into left ventricular coronary venous system (00.52)

#### Other Procedures

\_\_\_\_ **37.26 Catheter based invasive electrophysiologic testing**

- Electrophysiologic studies [EPS]

Code also any concomitant procedure

**Excludes:**

- Device interrogation only without arrhythmia induction (bedside check) (89.45–89.49)
- His bundle recording (37.29)
- Non-invasive programmed electrical stimulation (NIPS) (37.20)
- That as part of inoperative testing – omit code

\_\_\_\_ **37.99 Other**

**Excludes:**

- Cardiac retraining (93.36)
- Conversion of cardiac rhythm (99.60–99.69)
- Implantation of prosthetic cardiac support device (37.41)
- Insertion of left atrial appendage device (37.90)
- Maze procedure (Cox-maze), open (37.33)
- Maze procedure, endovascular approach (37.34)
- Repositioning of pulse generator (37.79)
- Revision of lead(s) (37.75)
- Revision or relocation of pacemaker, defibrillator, or other implanted cardiac device pocket (37.79)

## Electrophysiologic Test of ICD

- \_\_\_ ● **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  
(For subsequent or periodic electronic analysis and/or reprogramming of single or dual chamber pacing cardioverter-defibrillators, see 93642, 93741–93744)
- \_\_\_ ● **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)

## ICD Monitoring

- \_\_\_ **93741** \_\_\_ Electronic analysis of pacing cardioverter defibrillator (includes interrogation, evaluation of pulse generator status, evaluation of programmable parameters at rest and during activity where applicable, using electrocardiographic recording and interpretation of recordings at rest and during exercise, analysis of event markers and device response); single chamber or wearable cardioverter defibrillator system, **without reprogramming**

(Do not report 93741 in conjunction with 93745)

- \_\_\_ **93742** \_\_\_ single chamber or wearable cardioverter defibrillator system, **with reprogramming**

(Do not report 93742 in conjunction with 93745)

- \_\_\_ **93743** \_\_\_ dual chamber, **without reprogramming**
- \_\_\_ **93744** \_\_\_ dual chamber, **with reprogramming**

## C-Codes<sup>3,4</sup> (Medicare Hospital Outpatient)

- C1721** Cardioverter defibrillator, dual chamber (implantable)
- C1722** Cardioverter defibrillator, single chamber (implantable)
- C1777** Lead, cardioverter defibrillator, endocardial single coil (implantable)
- C1882** Cardioverter defibrillator, other than single- or dual chamber (implantable)
- C1895** Lead, cardioverter defibrillator, endocardial dual coil (implantable)
- C1896** Lead, cardioverter defibrillator, other than endocardial single or dual coil (implantable)
- C1899** Lead, pacemaker/cardioverter defibrillator combination (implantable)

### Notes:

- Effective January 1, 2005, CMS mandated that hospitals report all device category codes (C-codes) on Medicare claims when medical devices are used in conjunction with procedure(s) billed.<sup>6</sup>
- As of April 1, 2005, Medicare's Outpatient Code Editor includes edits to ensure certain procedure codes are accompanied by an associated device C-code. If C-codes are not identified on a submitted Medicare claim, the claim will be returned to the hospital for correction.<sup>6</sup>
- There are also C-codes for cardiac rhythm management-related accessories, such as introducers and catheters/sheaths. See footnotes 3, 4, and 5 of this checklist to find sources for C-code device accessory information (not all-inclusive).