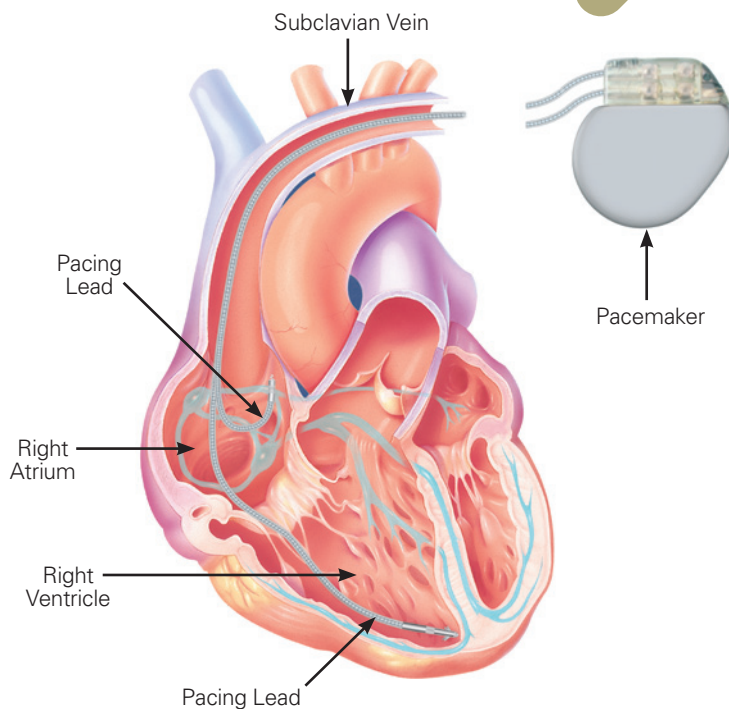


GuidePoint

Simplifying Reimbursement

Cardiac Rhythm Management and Electrophysiology



Updated January 2010

Pacemaker implantation procedure

The implantation of a permanent pacemaker system requires the use of a pacemaker pulse generator and one electrode or lead for a single chamber system, or two electrodes or leads for a dual chamber system. The leads monitor and deliver electrical stimulation to the right atrium or right ventricle for a single chamber system, or both the right atrium and right ventricle for a dual chamber system. The lead(s) are inserted through the subclavian vein and are positioned in the right atrium and/or right ventricle. In some cases, the cephalic or internal jugular vein may be used as an alternative to the subclavian vein.

A step-by-step description of a typical initial pacemaker system implantation procedure

1. The subclavian vein is accessed and a pulse generator pocket is formed.
2. Under **fluoroscopy (71090)**, the **pacing lead(s)** are inserted into the **right atrium (33206)** or **right ventricle (33207)** for a **single chamber system**, or into the right atrium and right ventricle for a **dual chamber system (33208)**.
3. **Lead measurement tests**, including pacing and sensing thresholds and lead impedances, are performed.
4. The **pacemaker pulse generator (included in 33206, 33207, and 33208)** is connected to the lead(s) that are in place.
5. Additional **testing of the lead(s)** is completed.
6. The lead(s) and device are secured and the pulse generator pocket is closed.

Note: This document is for reference purposes only and does not replace physicians' medical documentation.

CPT copyright 2009 American Medical Association. All rights reserved.
CPT is a registered trademark of the American Medical Association.
See page 13 for important information about the uses and limitations of this document.

Commonly Billed Pacemaker Procedures

Key

- Moderate sedation. (For these procedures, moderate [conscious] sedation is included and cannot be billed separately when provided by the same physician. See *AMA Current Procedural Terminology 2010* for specific guidelines.)

Initial single chamber rate-responsive pacemaker system implant with right atrial lead, with fluoroscopic guidance

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
<p>37.73 Initial insertion of transvenous lead [electrode] into atrium</p> <p>Excludes:</p> <ul style="list-style-type: none"> • Insertion of temporary transvenous pacemaker system (37.78) • Replacement of atrial and/or ventricular lead(s) (37.76) <p>37.82 Initial insertion of single chamber device, rate responsive</p> <p>Rate responsive to physiologic stimuli other than atrial rate</p> <p>Excludes:</p> <ul style="list-style-type: none"> • Replacement of existing pacemaker device (37.85–37.87) 	<ul style="list-style-type: none"> • 33206 Insertion or replacement of permanent pacemaker with transvenous electrode(s); atrial <p>71090 Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation</p>	<ul style="list-style-type: none"> • 33206 Insertion or replacement of permanent pacemaker with transvenous electrode(s); atrial <p>71090-26** Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation</p>

Initial single chamber rate-responsive pacemaker system implant with right ventricular lead, with fluoroscopic guidance

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
<p>37.71 Initial insertion of transvenous lead [electrode] into ventricle</p> <p>Excludes:</p> <ul style="list-style-type: none"> • Insertion of temporary transvenous pacemaker system (37.78) • Replacement of atrial and/or ventricular lead(s) (37.76) <p>37.82 Initial insertion of single chamber device, rate responsive</p> <p>Rate responsive to physiologic stimuli other than atrial rate</p> <p>Excludes:</p> <ul style="list-style-type: none"> • Replacement of existing pacemaker device (37.85–37.87) 	<ul style="list-style-type: none"> • 33207 Insertion or replacement of permanent pacemaker with transvenous electrode(s); ventricular <p>71090 Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation</p>	<ul style="list-style-type: none"> • 33207 Insertion or replacement of permanent pacemaker with transvenous electrode(s); ventricular <p>71090-26** Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation</p>

Initial dual chamber pacemaker system implantation, with fluoroscopic guidance

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
<p>37.83 Initial insertion of dual chamber device</p> <p>Atrial ventricular sequential device</p> <p>Excludes:</p> <ul style="list-style-type: none"> • Replacement of existing pacemaker device (37.85–37.87) <p>37.72 Initial insertion of transvenous leads [electrodes] into atrium and ventricle</p> <p>Excludes:</p> <ul style="list-style-type: none"> • Insertion of temporary transvenous pacemaker system (37.78) • Replacement of atrial and/or ventricular lead(s) (37.76) 	<ul style="list-style-type: none"> • 33208 Insertion or replacement of permanent pacemaker with transvenous electrode(s); atrial and ventricular • 71090 Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation 	<ul style="list-style-type: none"> • 33208 Insertion or replacement of permanent pacemaker with transvenous electrode(s); atrial and ventricular • 71090-26** Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation

Initial dual chamber pacemaker insertion with cardioversion

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
<p>37.83 Initial insertion of dual chamber device</p> <p>Atrial ventricular sequential device</p> <p>Excludes:</p> <ul style="list-style-type: none"> • Replacement of existing pacemaker device (37.85–37.87) <p>37.72 Initial insertion of transvenous leads [electrodes] into atrium and ventricle</p> <p>Excludes:</p> <ul style="list-style-type: none"> • Insertion of temporary transvenous pacemaker system (37.78) • Replacement of atrial and/or ventricular lead(s) (37.76) <p>99.62 Other electric countershock of heart</p>	<ul style="list-style-type: none"> • 33208 Insertion or replacement of permanent pacemaker with transvenous electrodes; atrial and ventricular • 92960 Cardioversion, elective, electrical conversion of arrhythmia; external • 71090 Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation 	<ul style="list-style-type: none"> • 33208 Insertion or replacement of permanent pacemaker with transvenous electrodes; atrial and ventricular • 92960-51** Cardioversion, elective, electrical conversion of arrhythmia; external • 71090-26** Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation

• Moderate sedation

Replacement of single chamber rate-responsive pulse generator with fluoroscopic visualization of leads

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
<p>37.86 Replacement of any type pacemaker device with single chamber device, rate responsive</p> <p>Rate responsive to physiologic stimuli other than atrial rate</p>	<ul style="list-style-type: none"> • 33212 Insertion or replacement of pacemaker pulse generator only; single chamber, atrial or ventricular • 33233 Removal of permanent pacemaker pulse generator 71090 Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation 	<ul style="list-style-type: none"> • 33212 Insertion or replacement of pacemaker pulse generator only; single chamber, atrial or ventricular • 33233-51** Removal of permanent pacemaker pulse generator 71090-26** Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation

Replacement of dual chamber pacemaker, insertion of new atrial lead, capping of existing atrial lead with fluoroscopic guidance

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
<p>37.76 Replacement of transvenous atrial and/or ventricular lead(s) [electrode]</p> <p>Removal or abandonment of existing transvenous or epicardial lead(s) with transvenous lead(s) replacement</p> <p>Excludes:</p> <ul style="list-style-type: none"> • Replacement of epicardial lead [electrode] (37.74) <p>37.87 Replacement of any type pacemaker device with dual chamber device</p> <p>Atrial ventricular sequential device</p>	<ul style="list-style-type: none"> • 33206 Insertion or replacement of permanent pacemaker with transvenous electrode(s); atrial • 33233 Removal of permanent pacemaker pulse generator 71090 Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation 	<ul style="list-style-type: none"> • 33206 Insertion or replacement of permanent pacemaker with transvenous electrode(s); atrial • 33233-51** Removal of permanent pacemaker pulse generator 71090-26** Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation

• Moderate sedation

Replacement of dual chamber pacemaker, insertion of new ventricular lead, capping existing ventricular lead with fluoroscopic guidance

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
<p>37.76 Replacement of transvenous atrial and/or ventricular lead(s) [electrode]</p> <p>Removal or abandonment of existing transvenous or epicardial lead(s) with transvenous lead(s) replacement</p> <p>Excludes:</p> <ul style="list-style-type: none"> • Replacement of epicardial lead [electrode] (37.74) <p>37.87 Replacement of any type pacemaker device with dual chamber device</p> <p>Atrial ventricular sequential device</p>	<ul style="list-style-type: none"> • 33207 Insertion or replacement of permanent pacemaker with transvenous electrode(s); ventricular • 33233 Removal of permanent pacemaker pulse generator 71090 Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation 	<ul style="list-style-type: none"> • 33207 Insertion or replacement of permanent pacemaker with transvenous electrode(s); ventricular • 33233-51** Removal of permanent pacemaker pulse generator 71090-26** Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation

Replacement of dual chamber pacemaker on dependent patient with temporary pacemaker insertion

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
<p>37.87 Replacement of any type pacemaker device with dual chamber device</p> <p>Atrial ventricular sequential device</p> <p>37.78 Insertion of temporary transvenous pacemaker system</p> <p>Excludes:</p> <ul style="list-style-type: none"> • Intraoperative cardiac pacemaker 	<ul style="list-style-type: none"> • 33213 Insertion or replacement of pacemaker pulse generator only; dual chamber • 33233 Removal of permanent pacemaker pulse generator • 33210 Insertion or replacement of temporary transvenous single chamber cardiac electrode or pacemaker catheter (separate procedure) 71090 Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation 	<ul style="list-style-type: none"> • 33213 Insertion or replacement of pacemaker pulse generator only; dual chamber • 33233-51** Removal of permanent pacemaker pulse generator • 33210-51** Insertion or replacement of temporary transvenous single chamber cardiac electrode or pacemaker catheter (separate procedure) 71090-26** Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation

• Moderate sedation

Replacement of dual chamber pulse generator with fluoroscopic visualization of leads

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
<p>37.87 Replacement of any type pacemaker device with dual chamber device</p> <p>Atrial ventricular sequential device</p>	<ul style="list-style-type: none"> • 33213 Insertion or replacement of pacemaker pulse generator only; dual chamber • 33233 Removal of permanent pacemaker pulse generator 71090 Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation 	<ul style="list-style-type: none"> • 33213 Insertion or replacement of pacemaker pulse generator only; dual chamber • 33233-51** Removal of permanent pacemaker pulse generator 71090-26** Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation

Upgrade from single chamber pacemaker with a ventricular lead to a dual chamber pacemaker with the addition of the right atrial lead, with fluoroscopic guidance

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
<p>37.87 Replacement of any type pacemaker device with dual chamber device</p> <p>Atrial ventricular sequential device</p> <p>37.73 Initial insertion of transvenous lead [electrode] into atrium</p> <p>Excludes:</p> <ul style="list-style-type: none"> • Insertion of temporary transvenous pacemaker system (37.78) • Replacement of atrial and/or ventricular lead(s) (37.76) 	<ul style="list-style-type: none"> • 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) 71090 Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation 	<ul style="list-style-type: none"> • 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) 71090-26** Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation

• Moderate sedation

Insertion of one transvenous pacing electrode with fluoroscopic visualization of lead

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
<p>ICD-9-CM procedural coding specifies lead placement into atrium or ventricle:</p> <p>37.71 Initial insertion of transvenous lead [electrode] into ventricle</p> <p>Excludes:</p> <ul style="list-style-type: none"> • Insertion of temporary transvenous pacemaker system (37.78) • Replacement of atrial and/or ventricular lead(s) (37.76) <p>OR</p> <p>37.73 Initial insertion of transvenous lead [electrode] into atrium</p> <p>Excludes:</p> <ul style="list-style-type: none"> • Insertion of temporary transvenous pacemaker system (37.78) • Replacement of atrial and/or ventricular lead(s) (37.76) 	<p>33216 Insertion of a single transvenous electrode, permanent pacemaker or cardioverter defibrillator</p> <p>71090 Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation</p>	<p>33216 Insertion of a single transvenous electrode, permanent pacemaker or cardioverter defibrillator</p> <p>71090-26** Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation</p>

Insertion of two transvenous pacing electrodes with fluoroscopic visualization of leads

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
<p>37.72 Initial insertion of transvenous leads [electrodes] into atrium and ventricle</p> <p>Excludes:</p> <ul style="list-style-type: none"> • Insertion of temporary transvenous pacemaker system (37.78) • Replacement of atrial and/or ventricular lead(s) (37.76) 	<p>• 33217 Insertion of 2 transvenous electrodes, permanent pacemaker or cardioverter defibrillator</p> <p>71090 Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation</p>	<p>• 33217 Insertion of 2 transvenous electrodes, permanent pacemaker or cardioverter defibrillator</p> <p>71090-26** Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation</p>

• Moderate sedation

Single lead extraction; pacemaker electrode with fluoroscopic visualization of lead

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
<p>37.77 Removal of lead(s) [electrode] without replacement</p> <p>Removal:</p> <ul style="list-style-type: none"> • Epicardial lead (transthoracic approach) • Transvenous lead(s) <p>Excludes:</p> <ul style="list-style-type: none"> • Removal of temporary transvenous pacemaker system – omit code • That with replacement of: <ul style="list-style-type: none"> – atrial and/or ventricular lead(s) [electrode] (37.76) – epicardial lead [electrode] (37.74) 	<p>• 33234 Removal of transvenous pacemaker electrode(s); single lead system, atrial or ventricular</p> <p>71090 Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation</p>	<p>• 33234 Removal of transvenous pacemaker electrode(s); single lead system, atrial or ventricular</p> <p>71090-26** Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation</p>

Repositioning of right atrial or right ventricular electrode within 90 days of implant performed by the implanting physician

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
<p>37.75 Revision of lead [electrode]</p> <ul style="list-style-type: none"> • Repair of electrode [removal with re-insertion] • Repositioning of lead(s) (AICD) (cardiac device) (CRT-D) (CRT-P) (defibrillator) (pacemaker) (pacing) (sensing) [electrode] • Revision of lead NOS <p>Excludes:</p> <ul style="list-style-type: none"> • Repositioning of temporary transvenous pacemaker system — omit code 	<p>• 33215-78 Repositioning of previously implanted transvenous pacemaker or pacing cardioverter defibrillator (right atrial or right ventricular) electrode</p> <p>71090 Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation</p>	<p>• 33215-78 Repositioning of previously implanted transvenous pacemaker or pacing cardioverter defibrillator (right atrial or right ventricular) electrode</p> <p>71090-26** Insertion pacemaker, fluoroscopy and radiography, radiological supervision and interpretation</p>

• Moderate sedation

Single chamber pacemaker follow-up (in person)

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
<p>89.45 Artificial pacemaker rate check</p> <ul style="list-style-type: none"> Artificial pacemaker function check NOS Bedside device check of pacemaker or cardiac resynchronization pacemaker [CRT-P] Interrogation only without arrhythmia induction <p>Excludes:</p> <ul style="list-style-type: none"> Catheter based invasive electrophysiologic testing (37.26) Non-invasive programmed electrical stimulation [NIPS] (arrhythmia induction) (37.20) 	<p>93288 (if applicable) Interrogation device evaluation (in person) with physician analysis, review and report, includes connection, recording and disconnection per patient encounter; single, dual, or multiple lead pacemaker system</p> <p>OR</p> <p>93279 (if applicable) Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with physician analysis, review and report; single lead pacemaker system</p>	<p>93288 Interrogation device evaluation (in person) with physician analysis, review and report, includes connection, recording and disconnection per patient encounter; single, dual, or multiple lead pacemaker system</p> <p>OR</p> <p>93279 Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with physician analysis, review and report; single lead pacemaker system</p>

Dual chamber pacemaker follow-up (in person)

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
<p>89.45 Artificial pacemaker rate check</p> <ul style="list-style-type: none"> Artificial pacemaker function check NOS Bedside device check of pacemaker or cardiac resynchronization pacemaker [CRT-P] Interrogation only without arrhythmia induction <p>Excludes:</p> <ul style="list-style-type: none"> Catheter based invasive electrophysiologic testing (37.26) Non-invasive programmed electrical stimulation [NIPS] (arrhythmia induction) (37.20) 	<p>93288 (if applicable) Interrogation device evaluation (in person) with physician analysis, review and report, includes connection, recording and disconnection per patient encounter; single, dual, or multiple lead pacemaker system</p> <p>OR</p> <p>93280 (if applicable) Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with physician analysis, review and report; dual lead pacemaker system</p>	<p>93288 Interrogation device evaluation (in person) with physician analysis, review and report, includes connection, recording and disconnection per patient encounter; single, dual, or multiple lead pacemaker system</p> <p>OR</p> <p>93280 Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with physician analysis, review and report; dual lead pacemaker system</p>

Device programming evaluation dual chamber with wound check performed by implanting physician 14 days post-op

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
Not Applicable; inappropriate site of service for this scenario.	93280 Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with physician analysis, review and report; dual lead pacemaker system Wound Check is considered to be inclusive of the 90 day global period and not separately billable	93280 Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with physician analysis, review and report; dual lead pacemaker system Wound Check is considered to be inclusive of the 90 day global period and not separately billable

Dual chamber device follow-up – device programmed VVIR. At same office visit, patient seen by physician for medication adjustment

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
Place of Service = 11 (Physician Office)	Place of Service = 11 (Physician Office)	93280 Programming device evaluation (in person) with iterative adjustment of the implantable device to test the function of the device and select optimal permanent programmed values with physician analysis, review and report; dual lead pacemaker system Wound Check is considered to be inclusive of the 90 day global period and not separately billable 99211-99215 Office or other outpatient visit for the evaluation and management of an established patient (The correct level of service will depend on the documented elements; please refer to the 2010 AMA CPT Manual)

CPT copyright 2009 American Medical Association. All rights reserved.
 CPT is a registered trademark of the American Medical Association.
 See page 13 for important information about the uses and limitations of this document.

Single , dual , or multi chamber pacemaker follow-up (remote)

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
<p><i>Not Applicable; inappropriate site of service for this scenario.</i></p>	<p>93294 (if applicable) Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead pacemaker system with interim physician analysis, review(s) and report(s)</p> <p>93296 Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead pacemaker system or implantable cardioverter defibrillator system, remote data acquisition(s), receipt of transmissions and technician review, technical support and distribution of results</p>	<p>93294 Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead pacemaker system with interim physician analysis, review(s) and report(s)</p> <p>93296 Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead pacemaker system or implantable cardioverter defibrillator system, remote data acquisition(s), receipt of transmissions and technician review, technical support and distribution of results</p>

Single , dual , or multi chamber pacemaker follow-up (remote) with analysis of Implantable Cardiovascular Monitor (ICM)

Hospital Inpatient ICD-9-CM Codes ¹	Hospital Outpatient* CPT® Codes ²	Physician CPT® Codes ²
<p><i>Not Applicable; inappropriate site of service for this scenario.</i></p>	<p>93294 (if applicable) Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead pacemaker system with interim physician analysis, review(s) and report(s)</p> <p>93296 Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead pacemaker system or implantable cardioverter defibrillator system, remote data acquisition(s), receipt of transmissions and technician review, technical support and distribution of results</p> <p>AND 93297 (if applicable) Interrogation device evaluation(s) (remote) up to 30 days; implantable cardiovascular monitor system, including analysis of 1 or more recorded physiologic cardiovascular data elements from all internal and external sensors, physician analysis, review(s) and report(s)</p>	<p>93294 Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead pacemaker system with interim physician analysis, review(s) and report(s)</p> <p>93296 Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead pacemaker system or implantable cardioverter defibrillator system, remote data acquisition(s), receipt of transmissions and technician review, technical support and distribution of results</p> <p>AND 93297 Interrogation device evaluation(s) (remote) up to 30 days; implantable cardiovascular monitor system, including analysis of 1 or more recorded physiologic cardiovascular data elements from all internal and external sensors, physician analysis, review(s) and report(s)</p>

- ¹ American Medical Association. 2010 ICD-9-CM For Hospitals, Volumes 1, 2 and 3. Professional Edition. Chicago, IL: 2009.
- ² American Medical Association. Current Procedural Terminology (CPT) 2010. Professional Edition. Chicago, IL: 2009. Current Procedural Terminology (CPT) is copyright 2009 American Medical Association (AMA). All Rights Reserved. No fee schedules, basic units, relative values, or related listings are included in CPT. The AMA assumes no liability for the data contained herein. Applicable FARS/DFARS restrictions apply to government use. CPT is a registered trademark of the American Medical Association.
- * As of January 1, 2005, the Centers for Medicare and Medicaid Services (CMS) requires hospitals to report all device category codes (C-codes) on Medicare outpatient claims when medical devices are used in conjunction with procedure(s) billed. If C-codes are not identified on submitted Medicare outpatient claims, the claim(s) will be returned to the hospital for correction. Find C-codes for CRM devices at <http://www.bostonscientific.com/crm/reimbursement>. Also find C-codes for CRM devices and related accessories (e.g., introducers, catheters, sheaths) at http://www.cms.hhs.gov/HospitalOutpatientPPS/Downloads/DeviceCats_OPSPUpdate.pdf.
- ** Modifiers 26 (professional component) and 51 (multiple procedures) are for physician billing only. See the *AMA Current Procedural Terminology 2010* for complete descriptions. Always verify appropriate usage with payers.

Disclaimer

Health economic and reimbursement information provided by Boston Scientific Corporation is gathered from third-party sources and is subject to change without notice as a result of complex and frequently changing laws, regulations, rules, and policies. This information is presented for illustrative purposes only and does not constitute reimbursement or legal advice. Boston Scientific encourages providers to submit accurate and appropriate claims for services. It is always the provider's responsibility to determine medical necessity, the proper site for delivery of any services, and to submit appropriate codes, charges, and modifiers for services that are rendered. Boston Scientific recommends that you consult with your payers, reimbursement specialists, and/or legal counsel regarding coding, coverage, and reimbursement matters. Boston Scientific does not promote the use of its products outside their FDA-approved label.

Payer policies will vary and should be verified prior to treatment for limitations on diagnosis, coding, or site of service requirements. The coding options listed within this guide are commonly used codes and are not intended to be an all-inclusive list. We recommend consulting your relevant manuals for appropriate coding options.

CPT® Disclaimer

CPT copyright 2009 American Medical Association. All rights reserved. CPT is a registered trademark of the American Medical Association. Applicable FARS/DFARS Restrictions Apply to Government Use. Fee schedules, relative value units, conversion factors, and/or related components are not assigned by the AMA, are not part of CPT®, and the AMA is not recommending their use. The AMA does not directly or indirectly practice medicine or dispense medical services. The AMA assumes no liability for data contained or not contained herein.

CPT copyright 2009 American Medical Association. All rights reserved.
CPT is a registered trademark of the American Medical Association.

**Boston
Scientific**

Delivering what's next.™

Cardiac Rhythm Management

Boston Scientific Corporation
4100 Hamline Avenue North
St. Paul, MN 55112-5798 USA
Tel: 651.582.4000 Fax: 651.582.4166

Medical Professionals:
1.800.CARDIAC (227.3422)
Patients and Families:
1.866.484.3268

www.bostonscientific.com

Copyright © 2010 by
Boston Scientific Corporation
or its affiliates. All rights reserved.

CRM5-2074-0110