

## ABBOTT CODING GUIDE

CARDIAC PACEMAKERS

IMPLANTABLE CARDIOVERTER DEFIBRILLATORS (ICD)

CARDIAC RESYNCHRONIZATION THERAPY (CRT-P & D)

IMPLANTABLE/INSERTABLE CARDIAC MONITORS (ICM)

CARDIAC DEVICE MONITORING

Effective January 1, 2021

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# CARDIAC PACEMAKERS IMPLANTABLE CARDIOVERTER DEFIBRILLATORS (ICD) AND IMPLANTABLE/INSERTABLE CARDIAC MONITORS (ICM)

Effective January 1, 2021

#### Introduction

The Cardiac Pacemakers, Implantable Cardioverter Defibrillators (ICD), Cardiac Resynchronization Therapy and Implantable/Insertable Cardiac Monitors (ICM) Coding Guide is intended to provide reimbursement educational information tied to use of these products when used consistently with the products' labeling. This guide includes information regarding coverage, coding and reimbursement, as well as general information regarding appealing denied claims and supporting documentation.

#### **Remote Monitoring Reimbursement Changes**

Effective January 1, 2020, the code for the technical component of remote monitoring for Implantable Cardiovascular Physiologic Monitoring Systems and Implantable/Insertable Cardiac Monitors (ICMs), CPT<sup>‡</sup> Code 93299, will be deleted. The Centers for Medicare & Medicaid Services (CMS) created a new G-code, G2066, to report this service. G2066 can be reported by physicians and outpatient hospitals. G2066 will continue to be carrier-priced, as 93299 was, and the description of the code will be the same. See pages 49 and 53 for more information.

#### Biventricular Pacing/ Cardiac Resynchronization Therapy (CRT)

In certain circumstances, an additional lead may be required to achieve pacing of the left ventricle (biventricular pacing). In this event, the additional transvenous lead placement should be separately reported using 33224 or 33225. 33226 is reported for repositioning. See the Cardiac Resynchronization Therapy section, pages 27-38, for more information.

#### **Reimbursement Hotline**

In addition, Abbott offers a reimbursement hotline, which provides live coding and reimbursement information from dedicated reimbursement specialists. Coding and reimbursement support is available from 8 a.m. to 5 p.m. central time, Monday through Friday at (855) 569-6430 or hce@abbott.com. This guide and all supporting documents are available at <a href="https://www.cardiovascular.abbott/us/en/hcp/reimbursement.html">www.cardiovascular.abbott/us/en/hcp/reimbursement.html</a>. Coding and reimbursement assistance is provided subject to the disclaimers set forth in this guide.

#### Disclaimer

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CARDIAC RESYNCHRONIZATION THERAPY (CRT) IMPLANTABLE/
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#### CODING AND REIMBURSEMENT FOR PACEMAKERS

#### Physician<sup>1</sup>

Abbott

CPT <sup>‡</sup>	DESCRIPTION	WORK	NATIONAL M	MEDICARE RATE
CODE		RVU	FACILITY	NON FACILITY
SYSTEM	IMPLANT OR REPLACEMENT			
33206	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial	7.14	\$468	NA
33207	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); ventricular	7.80	\$492	NA
33208	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial and ventricular	8.52	\$534	NA
GENERA	TOR REMOVAL/REVISION (BATTERY REPLACEMENT)			
33227	Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; single lead system	5.25	\$348	NA
33228	Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; dual lead system	5.52	\$365	NA
SYSTEM	UPGRADE: SINGLE CHAMBER TO DUAL CHAMBER PACEMAKER			
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)	7.59	\$493	NA
GENERA	TOR REMOVAL (BATTERY REMOVAL WITHOUT REPLACEMENT)			
33233	Removal of permanent pacemaker pulse generator only	3.14	\$239	NA

NA = There is no established Medicare payment in this setting. It is incumbent upon the physician to determine which, if any, modifiers should be used first.

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#### CODING AND REIMBURSEMENT FOR PACEMAKERS

#### Physician<sup>1</sup>

Abbott

CPT <sup>‡</sup> CODE	DESCRIPTION	WORK RVU	NATIONAL FACILITY	MEDICARE RATE NON FACILITY
GENERA	ATOR IMPLANT			
33212	Insertion of pacemaker pulse generator only; with existing single lead	5.01	\$331	NA
33213	Insertion of pacemaker pulse generator only; with existing dual leads	5.28	\$345	NA
RELOCA	TION OF SKIN POCKET			
33222	Relocation of skin pocket for pacemaker	4.85	\$352	NA
LEAD PR	OCEDURES			
33216	Insertion of a single transvenous electrode, permanent pacemaker or implantable defibrillator	5.62	\$382	NA
33217	Insertion of 2 transvenous electrodes, permanent pacemaker or implantable defibrillator	5.59	\$379	NA
33215	Repositioning of previously implanted transvenous pacemaker or implantable defibrillator (right atrial or right ventricular) electrode	4.92	\$318	NA
33218	Repair of single transvenous electrode, permanent pacemaker or implantable defibrillator	5.82	\$400	NA
33220	Repair of 2 transvenous electrodes for permanent pacemaker or implantable defibrillator	5.90	\$386	NA
33234	Removal of transvenous pacemaker electrode(s); single lead system, atrial or ventricular	7.66	\$500	NA
33235	Removal of transvenous pacemaker electrode(s); dual lead system	9.90	\$655	NA

NA = There is no established Medicare payment in this setting. It is incumbent upon the physician to determine which, if any, modifiers should be used first.

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#### Hospital Outpatient<sup>2</sup>

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CPT <sup>‡</sup> CODE	DESCRIPTION	STATUS INDICATOR	APC	NATIONAL MEDICARE RATE				
SYSTEM	SYSTEM IMPLANT OR REPLACEMENT							
33206	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial	J1	5223	\$10,400				
33207	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); ventricular	J1	5223	\$10,400				
33208	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial and ventricular	J1	5223	\$10,400				
GENER <i>A</i>	TOR REMOVAL/REVISION (BATTERY REPLACEMENT)							
33227	Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; single lead system	J1	5222	\$8,153				
33228	Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; dual lead system	J1	5223	\$10,400				
SYSTEM	UPGRADE: SINGLE CHAMBER TO DUAL CHAMBER PACEMAKER							
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)	J1	5223	\$10,400				
GENERA	TOR REMOVAL (BATTERY REMOVAL WITHOUT REPLACEMENT)							
33233	Removal of permanent pacemaker pulse generator only	Q2	5222	\$8,153				

J1 = Hospital Part B services paid through a comprehensive APC

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#### CODING AND REIMBURSEMENT FOR PACEMAKERS

#### Hospital Outpatient<sup>2</sup>

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CPT <sup>‡</sup> CODE	DESCRIPTION	STATUS INDICATOR	APC	NATIONAL MEDICARE RATE
GENERA	TOR IMPLANT			
33212	Insertion of pacemaker pulse generator only; with existing single lead	J1	5222	\$8,153
33213	Insertion of pacemaker pulse generator only; with existing dual leads	J1	5223	\$10,400
RELOCA	TION OF SKIN POCKET			
33222	Relocation of skin pocket for pacemaker	T	5054	\$1,715
LEAD PR	OCEDURES			
33216	Insertion of a single transvenous electrode, permanent pacemaker or implantable defibrillator	J1	5222	\$8,153
33217	Insertion of 2 transvenous electrodes, permanent pacemaker or implantable defibrillator	J1	5222	\$8,153
33215	Repositioning of previously implanted transvenous pacemaker or implantable defibrillator (right atrial or right ventricular) electrode	J1	5183	\$2,862
33218	Repair of single transvenous electrode, permanent pacemaker or implantable defibrillator	T	5221	\$3,440
33220	Repair of 2 transvenous electrodes for permanent pacemaker or implantable defibrillator	T	5221	\$3,440
33234	Removal of transvenous pacemaker electrode(s); single lead system, atrial or ventricular	Q2	5221	\$3,440
33235	Removal of transvenous pacemaker electrode(s); dual lead system	Q2	5221	\$3,440

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J1 = Hospital Part B services paid through a comprehensive APC

T = Significant procedure, multiple reduction applies

Q2 = T Packaged codes

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### CODING AND REIMBURSEMENT FOR PACEMAKERS

#### Ambulatory Surgery Center<sup>4</sup> (ASC)

CPT <sup>‡</sup> CODE	DESCRIPTION	PAYMENT INDICATOR	MULTI-PROCEDURE DISCOUNT	NATIONAL MEDICARERATE						
SYSTEM	SYSTEM IMPLANT OR REPLACEMENT									
33206	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial	<b>J</b> 8	Y	\$7,625						
33207	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); ventricular	<b>J</b> 8	$\mathbf{Y}$	\$7,733						
33208	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial and ventricular	J8	Y	\$7,889						
GENERA	TOR REMOVAL/REVISION (BATTERY REPLACEMENT)									
33227	Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; single lead system	J8	Y	\$6,427						
33228	Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; dual lead system	J8	Y	\$7,692						
SYSTEM	UPGRADE: SINGLE CHAMBER TO DUAL CHAMBER PACEMAKER									
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)	<b>J</b> 8	Y	\$7,761						
GENERA	TOR REMOVAL (BATTERY REMOVAL WITHOUT REPLACEMENT)									
33233	Removal of permanent pacemaker pulse generator only	J8	N	\$5,746						

J8 = Device-intensive procedure; paid at adjusted rate.

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#### CODING AND REIMBURSEMENT FOR PACEMAKERS

#### Ambulatory Surgery Center<sup>4</sup> (ASC)

CPT <sup>‡</sup> CODE	DESCRIPTION	PAYMENT INDICATOR	MULTI-PROCEDURE RATE	NATIONAL MEDICARE RATE			
GENERATOR IMPLANT							
33212	Insertion of pacemaker pulse generator only; with existing single lead	<b>J</b> 8	$\mathbf{Y}$	\$6,723			
33213	Insertion of pacemaker pulse generator only; with existing dual leads	<b>J</b> 8	$\mathbf{Y}$	\$7,873			
RELOCATION OF SKIN POCKET							
33222	Relocation of skin pocket for pacemaker	A2	$\mathbf{Y}$	\$867			
LEAD PR	OCEDURES						
33216	Insertion of a single transvenous electrode, permanent pacemaker or implantable defibrillator	J8	$\mathbf{Y}$	\$5,543			
33217	Insertion of 2 transvenous electrodes, permanent pacemaker or implantable defibrillator	<b>J</b> 8	$\mathbf{Y}$	\$7,147			
33215	Repositioning of previously implanted transvenous pacemaker or implantable defibrillator (right atrial or right ventricular) electrode	G2	$\mathbf{Y}$	\$1,365			
33218	Repair of single transvenous electrode, permanent pacemaker or implantable defibrillator	G2	$\mathbf{Y}$	\$1,739			
33220	Repair of 2 transvenous electrodes for permanent pacemaker or implantable defibrillator	<b>J</b> 8	$\mathbf{Y}$	\$2,326			
33234	Removal of transvenous pacemaker electrode(s); single lead system, atrial or ventricular	<b>J</b> 8	${f N}$	\$2,329			
33235	Removal of transvenous pacemaker electrode(s); dual lead system	<b>J</b> 8	N	\$2,284			

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G2 = Non office-based surgical procedure added in CY2008 or later; payment base on OPPS relative payment rate.

J8 = Device-intensive procedure; paid at adjusted rate.

A2 = Surgical procedure on ASC list in CY 2007; payment based on OPPS relative payment weight

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#### CODING AND REIMBURSEMENT FOR PACEMAKERS

#### Hospital Inpatient<sup>3</sup>

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Note: report the combination of device insertion and/or lead(s) codes that best describes the procedure performed

ICD-10 PCS CODE <sup>7</sup>	<b>DESCRIPTION</b>	TYPICAL MS-DRG ASSIGNMENT	NATIONAL MEDICARE RATE
PERMANEN	T CARDIAC PACEMAKER IMPLANT (DRGs 242, 243 AND 244)		
0JH60PZ	Insertion of cardiac rhythm related device into chest subcutaneous tissue and fascia, open approach		
0JH63PZ	Insertion of cardiac rhythm related device into chest subcutaneous tissue and fascia, percutaneous approach		
0JH80PZ	Insertion of cardiac rhythm related device into abdomen subcutaneous tissue and fascia, open approach		
0JH83PZ	Insertion of cardiac rhythm related device into abdomen subcutaneous tissue and fascia, percutaneous approach	242 with MCC	\$23,926
0JH604Z	Insertion of pacemaker, single chamber into chest subcutaneous tissue and fascia, open approach	243	
0JH634Z	Insertion of pacemaker, single chamber into chest subcutaneous tissue and fascia, percutaneous approach	with CC	\$16,278
0JH804Z	Insertion of pacemaker, single chamber into abdomen subcutaneous tissue and fascia, open approach	244 without	\$13,277
0JH834Z	Insertion of pacemaker, single chamber rate responsive into abdomen subcutaneous tissue and fascia, percutaneous approach	CC/MCC	
0JH605Z	Insertion of pacemaker, single chamber rate responsive into chest subcutaneous tissue and fascia, open approach		
0JH635Z	Insertion of pacemaker, single chamber rate responsive into chest subcutaneous tissue and fascia, percutaneous approach		

CC: complication or comorbidity. MCC: a major complication or comorbidity when used as a secondary diagnosis

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#### CODING AND REIMBURSEMENT FOR PACEMAKERS

#### Hospital Inpatient<sup>3</sup>

Abbott

Note: report the combination of device insertion and/or lead(s) codes that best describes the procedure performed

ICD-10 PCS CODE <sup>7</sup>	DESCRIPTION	TYPICAL MS-DRG ASSIGNMENT	NATIONAL MEDICARE RATE
PERMANEN'	T CARDIAC PACEMAKER IMPLANT (DRGs 242, 243 AND 244) continued		
0JH805Z	Insertion of pacemaker, single chamber rate responsive into abdomen subcutaneous tissue and fascia, open approach		
0JH835Z	Insertion of pacemaker, single chamber rate responsive into abdomen subcutaneous tissue and fascia, percutaneous approach	242 with MCC	\$23,926
0JH606Z	Insertion of pacemaker, dual chamber into chest subcutaneous tissue and fascia, open approach		
0JH636Z	Insertion of pacemaker, dual chamber into chest subcutaneous tissue and fascia, percutaneous approach	243 with CC	\$16,278
0JH806Z	Insertion of pacemaker, dual chamber into abdomen subcutaneous tissue and fascia, open approach	244	·
0JH836Z	Insertion of pacemaker, dual chamber into abdomen subcutaneous tissue and fascia, percutaneous approach	without CC/MCC	\$13,277
02HK4JZ	Insertion of pacemaker lead into right ventricle, percutaneous endoscopic approach	•	
02HK3JZ	Insertion of pacemaker lead into right ventricle, percutaneous approach		
02HK0JZ	Insertion of pacemaker lead into right ventricle, open approach		

CC: complication or comorbidity. MCC: a major complication or comorbidity when used as a secondary diagnosis

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#### CODING AND REIMBURSEMENT FOR PACEMAKERS

#### Hospital Inpatient<sup>3</sup>

Abbott

Note: report the combination of device insertion and/or lead(s) codes that best describes the procedure performed

ICD-10 PCS CODE <sup>7</sup>	<b>DESCRIPTION</b>	TYPICAL MS-DRG ASSIGNMENT	NATIONAL MEDICARE RATE
CARDIAC PA	ACEMAKER DEVICE REPLACEMENT (DRGs 258 AND 259)		
OJPTOPZ	Removal of cardiac rhythm related device from trunk subcutaneous tissue and fascia, open approach	258 with MCC	\$20,576
0JPT3PZ	Removal of cardiac rhythm related device from trunk subcutaneous tissue and fascia, percutaneous approach	259 without MCC	\$13,628
CARDIAC PA	ACEMAKER REVISION EXCEPT DEVICE REPLACEMENT (DRGs 260, 261 AND 262)		
0JWT0PZ	Revision of cardiac rhythm related device in trunk subcutaneous tissue and fascia, open approach	260	¢22 029
0JWT3PZ	Revision of cardiac rhythm related device in trunk subcutaneous tissue and fascia, percutaneous approach	with MCC 261	\$23,038
02WA0MZ	Revision of cardiac lead in heart, open approach	with CC	\$12,799
02WA3MZ	Revision of cardiac lead in heart, percutaneous approach	262 without	\$10,979
02WA4MZ	Revision of cardiac lead in heart, percutaneous endoscopic approach	CC/MCC	

CC: complication or comorbidity. MCC: a major complication or comorbidity when used as a secondary diagnosis

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C-CODES = DIAGNOSIS

#### CODING AND REIMBURSEMENT FOR PACEMAKERS

#### HCPCS Device Category C-Codes<sup>5</sup>

C-CODE	DESCRIPTION
PACEMAK	ER GENERATOR IMPLANT
C1785	Pacemaker, dual-chamber, rate-responsive (implantable)
C2621	Pacemaker, other than single or dual-chamber (implantable)
C2620	Pacemaker, single-chamber, non-rate-responsive (implantable)
C1786	Pacemaker, single-chamber, rate-responsive (implantable)
C2619	Pacemaker, dual-chamber, non-rate-responsive (implantable)
LEADS	
C1883	Adapter/extension, pacing lead or neurostimulator (implantable)
C1900	Lead, left ventricular coronary venous system
C1898	Lead, pacemaker, other than transvenous VDD single pass
C1779	Lead, pacemaker, transvenous VDD single pass

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C-CODES = DIAGNOSIS

#### CODING AND REIMBURSEMENT FOR PACEMAKERS

#### ICD-10-CM Diagnosis Codes<sup>6</sup>

Diagnosis codes are used by both hospitals and physicians to document the indication for the procedure. For Cardiac Pacemaker, Implantable Cardioverter Defibrillator (ICD) and Implantable/Insertable Cardiac Monitors (ICM) patients, there are many possible diagnosis code scenarios and a wide variety of possible combinations. The possible scenarios and combinations are too numerous to capture in this document. The customer should check with their local carriers or intermediaries and should consult with legal counsel or a financial, coding or reimbursement specialist for coding, reimbursement or billing questions related to ICD-10-CM diagnosis codes.

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#### CODING AND REIMBURSEMENT FOR IMPLANTABLE CARDIOVERTER DEFIBRILLATORS (ICD)

#### Physician<sup>1</sup>

Abbott

CPT <sup>‡</sup>	DESCRIPTION	WORK	NATIONAL	MEDICARE RATE
CODE		RVU	FACILITY	NON FACILITY
SYSTEM	IMPLANT OR REPLACEMENT			
33249	Insertion or replacement of permanent implantable defibrillator system, with transvenous lead(s), single or dual chamber	14.92	\$942	NA
GENERA	ATOR REMOVAL/REVISION (BATTERY REPLACEMENT)			
33262	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; single lead system	5.81	\$384	NA
33263	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; dual lead system	6.08	\$400	NA
GENERA	TOR REMOVAL (BATTERY REMOVAL WITHOUT REPLACEMENT)			
33241	Removal of implantable defibrillator pulse generator only	3.04	\$221	NA
GENERA	ATOR IMPLANT			
33240	Insertion of implantable defibrillator pulse generator only; with existing single lead	5.80	\$375	NA
33230	Insertion of implantable defibrillator pulse generator only; with existing dual lead	6.07	\$394	NA
RELOCA	TION OF SKIN POCKET			
33223	Relocation of skin pocket for implantable defibrillator	6.30	\$422	NA

NA = There is no established Medicare payment in this setting It is incumbent upon the physician to determine which, if any, modifiers should be used first.

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### CODING AND REIMBURSEMENT FOR IMPLANTABLE CARDIOVERTER DEFIBRILLATORS (ICD)

Physician<sup>1</sup>

Abbott

CPT <sup>‡</sup> CODE	DESCRIPTION	WORK	NATIONAL	MEDICARE RATE
		RVU	FACILITY	NON FACILITY
LEAD PF	ROCEDURES			
33216	Insertion of a single transvenous electrode, permanent pacemaker or implantable defibrillator	5.62	\$382	NA
33217	Insertion of 2 transvenous electrodes, permanent pacemaker or implantable defibrillator	5.59	\$379	NA
33215	Repositioning of previously implanted transvenous pacemaker or implantable defibrillator (right atrial or right ventricular) electrode	4.92	\$318	NA
33218	Repair of single transvenous electrode, permanent pacemaker or implantable defibrillator	5.82	\$400	NA
33220	Repair of 2 transvenous electrodes for permanent pacemaker or implantable defibrillator	5.90	\$386	NA
33244	Removal of single or dual chamber implantable defibrillator electrode(s); by transvenous extraction	13.74	\$890	NA

NA = There is no established Medicare payment in this setting
It is incumbent upon the physician to determine which, if any, modifiers should be used first.

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### CODING AND REIMBURSEMENT FOR IMPLANTABLE CARDIOVERTER

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DEFIBRILLATORS (ICD)

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CPT <sup>‡</sup> CODE	DESCRIPTION DESCRIPTION	STATUS	APC	NATIONAL MEDICARE RATE
SYSTEM	IMPLANT OR REPLACEMENT			
33249	Insertion or replacement of permanent implantable defibrillator system, with transvenous lead(s), single or dual chamber	J1	5232	\$32,839
GENERA	TOR REMOVAL/REVISION (BATTERY REPLACEMENT)			
33262	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; single lead system	J1	5231	\$23,040
33263	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; dual lead system	J1	5231	\$23,040
GENERA	TOR REMOVAL (BATTERY REMOVAL WITHOUT REPLACEMENT)			
33241	Removal of implantable defibrillator pulse generator only	Q2	5221	\$3,440
GENERA	ATOR IMPLANT			
33240	Insertion of implantable defibrillator pulse generator only; with existing single lead	J1	5231	\$23,040
33230	Insertion of implantable defibrillator pulse generator only; with existing dual lead	J1	5231	\$23,040
RELOCA	TION OF SKIN POCKET			
33223	Relocation of skin pocket for implantable defibrillator	T	5054	\$1,715

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J1 = Hospital Part B services paid through a comprehensive APC

Q2 = T Packaged codes

T = Significant procedure, multiple reduction applies

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### CODING AND REIMBURSEMENT FOR IMPLANTABLE CARDIOVERTER DEFIBRILLATORS (ICD)

#### Hospital Outpatient<sup>2</sup>

**Abbott** 

CPT <sup>‡</sup> CODE	DESCRIPTION DESCRIPTION	STATUS	APC	NATIONAL MEDICARE RATE
LEAD(S)				
33216	Insertion of a single transvenous electrode, permanent pacemaker or implantable defibrillator	J1	5222	\$8,153
33217	Insertion of 2 transvenous electrodes, permanent pacemaker or implantable defibrillator	J1	5222	\$8,153
33215	Repositioning of previously implanted transvenous pacemaker or implantable defibrillator (right atrial or right ventricular) electrode	J1	5183	\$2,862
33218	Repair of single transvenous electrode, permanent pacemaker or implantable defibrillator	T	5221	\$3,440
33220	Repair of 2 transvenous electrodes for permanent pacemaker or implantable defibrillator	T	5221	\$3,440
33244	Removal of single or dual chamber implantable defibrillator electrode(s); by transvenous extraction	Q2	5221	\$3,440

J1 = Hospital Part B services paid through a comprehensive APC

Q2 = T Packaged codes

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T = Significant procedure, multiple reduction applies

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### CODING AND REIMBURSEMENT FOR IMPLANTABLE CARDIOVERTER DEFIBRILLATORS (ICD)

Ambulatory Surgery Center<sup>4</sup> (ASC)

CPT <sup>‡</sup> CODE	DESCRIPTION	PAYMENT INDICATOR	MULTI-PROCEDURE DISCOUNT	NATIONAL MEDICARE RATE
SYSTEM	IMPLANT OR REPLACEMENT			
33249	Insertion or replacement of permanent implantable defibrillator system, with transvenous lead(s), single or dual chamber	<b>J</b> 8	Y	\$26,715
GENERA	TOR REMOVAL/REVISION (BATTERY REPLACEMENT)			
33262	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; single lead system	<b>J</b> 8	Y	\$19,777
33263	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; dual lead system	<b>J</b> 8	Y	\$19,972
GENERA	ATOR REMOVAL (BATTERY REMOVAL WITHOUT REPLACEMENT)			
33241	Removal of implantable defibrillator pulse generator only	G2	${f N}$	\$1,739
GENERA	ATOR IMPLANT			
33240	Insertion of implantable defibrillator pulse generator only; with existing single lead	<b>J</b> 8	Y	\$20,362
33230	Insertion of implantable defibrillator pulse generator only; with existing dual lead	<b>J</b> 8	Y	\$20,777
RELOCA	TION OF SKIN POCKET			
33223	Relocation of skin pocket for implantable defibrillator	A2	Y	\$867

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J8 = Device-intensive procedure; paid at adjusted rate.

G2 = Non office-based surgical procedure added in CY 2008 or later; payment based on OPPS relative payment weight.

A2 = Surgical procedure on ASC list in CY 2007; payment based on OPPS relative payment weight.

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### CODING AND REIMBURSEMENT FOR IMPLANTABLE CARDIOVERTER DEFIBRILLATORS (ICD)

Ambulatory Surgery Center<sup>4</sup> (ASC)

CPT <sup>‡</sup> CODE	DESCRIPTION	PAYMENT INDICATOR	MULTI-PROCEDURE DISCOUNT	NATIONAL MEDICARE RATE
LEAD PF	ROCEDURES			
33216	Insertion of a single transvenous electrode, permanent pacemaker or implantable defibrillator	J8	Y	\$5,543
33217	Insertion of 2 transvenous electrodes, permanent pacemaker or implantable defibrillator	J8	$\mathbf{Y}$	\$7,147
33215	Repositioning of previously implanted transvenous pacemaker or implantable defibrillator (right atrial or right ventricular) electrode	G2	$\mathbf{Y}$	\$1,365
33218	Repair of single transvenous electrode, permanent pacemaker or implantable defibrillator	G2	$\mathbf{Y}$	\$1,739
33220	Repair of 2 transvenous electrodes for permanent pacemaker or implantable defibrillator	<b>J</b> 8	$\mathbf{Y}$	\$2,326

J8 = Device-intensive procedure; paid at adjusted rate.

G2 = Non office-based surgical procedure added in CY 2008 or later; payment based on OPPS relative payment rate.

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### CODING AND REIMBURSEMENT FOR IMPLANTABLE CARDIOVERTER DEFIBRILLATORS (ICD)

#### Hospital Inpatient<sup>3</sup>

Abbott

Note: report the combination of device insertion and/or lead(s) codes that best describes the procedure performed

ICD-10 PCS CODE <sup>7</sup>	DESCRIPTION	TYPICAL MS-DRG ASSIGNMENT	NATIONAL MEDICARE RATE
CARDIAC D	EFIBRILLATOR IMPLANT (DRGs 222, 223, 224, 225, 226, AND 227)		
0JH608Z	Insertion of defibrillator generator into chest subcutaneous tissue and fascia, open approach	With Cardiac Catheterization, with AMI/HF/SHOCK	¢ 5 4 127
0JH638Z	Insertion of defibrillator generator into chest subcutaneous tissue and fascia, percutaneous approach	222 with MCC 223 without MCC With Cardiac Catheterization, with-	\$54,127 \$39,928
0JH808Z	Insertion of defibrillator generator into abdomen subcutaneous tissue and fascia, Open Approach	Catheterization, with- out AMI/HF/SHOCK  224 with MCC 225 without MCC	\$47,321 \$36,166
0JH838Z	Insertion of defibrillator generator into abdomen subcutaneous tissue and fascia, percutaneous approach	Without Cardiac Catheterization 226 with MCC 227 without MCC	\$42,497 \$33,757

CC: complication or comorbidity. MCC: a major complication or comorbidity when used as a secondary diagnosis

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### CODING AND REIMBURSEMENT FOR IMPLANTABLE CARDIOVERTER DEFIBRILLATORS (ICD)

#### Hospital Inpatient<sup>3</sup>

Abbott

Note: report the combination of device insertion and/or lead(s) codes that best describes the procedure performed

ICD-10 PCS CODE <sup>7</sup>	DESCRIPTION	TYPICAL MS-DRG ASSIGNMENT	NATIONAL MEDICARE RATE
AICD GENE	RATOR PROCEDURES (DRG 245)		
0JH608Z	Insertion of defibrillator generator into chest subcutaneous tissue and fascia, open approach		\$34,799
0JH638Z	Insertion of defibrillator generator into chest subcutaneous tissue and fascia, percutaneous approach		
0JH808Z	Insertion of defibrillator generator into abdomen subcutaneous tissue and fascia, open Approach	245	
0JH838Z	Insertion of defibrillator generator into abdomen subcutaneous tissue and fascia, Percutaneous Approach		

CC: complication or comorbidity. MCC: a major complication or comorbidity when used as a secondary diagnosis

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### CODING AND REIMBURSEMENT FOR IMPLANTABLE CARDIOVERTER DEFIBRILLATORS (ICD)

#### Hospital Inpatient<sup>3</sup>

Abbott

Note: report the combination of device insertion and/or lead(s) codes that best describes the procedure performed

ICD-10 PCS CODE <sup>7</sup>	DESCRIPTION	TYPICAL MS-DRG ASSIGNMENT	NATIONAL MEDICARE RATE
AICD LEAD F	PROCEDURES (DRG 265)		
02H43KZ	Insertion of defibrillator lead into coronary vein, percutaneous approach		
02H43MZ	Insertion of cardiac lead into coronary vein, percutaneous approach		
02H63KZ	Insertion of defibrillator lead into right atrium, percutaneous approach		
02HK3KZ	Insertion of defibrillator lead into right ventricle, percutaneous approach		
02HN0KZ	Insertion of defibrillator lead into pericardium, open approach		
02HN4KZ	Insertion of defibrillator lead into pericardium, percutaneous endoscopic approach	265	\$21,614
02HK4KZ	Insertion of defibrillator lead into right ventricle, percutaneous endoscopic approach		Ψ21,014
02HK0KZ	Insertion of defibrillator lead into right ventricle, open approach		
02H44KZ	Insertion of defibrillator lead into coronary vein, percutaneous endoscopic approach		
02H60KZ	Insertion of defibrillator lead into right atrium, open approach		
02H64KZ	Insertion of defibrillator lead into right atrium, percutaneous endoscopic approach		

CC: complication or comorbidity. MCC: a major complication or comorbidity when used as a secondary diagnosis

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C-CODES = DIAGNOSIS

### CODING AND REIMBURSEMENT FOR IMPLANTABLE CARDIOVERTER DEFIBRILLATORS (ICD)

#### HCPCS Device Category C-Codes<sup>5</sup>

C-CODE	DESCRIPTION
ICD	
C1721	Cardioverter-defibrillator, dual-chamber (implantable)
C1722	Cardioverter-defibrillator, single-chamber (implantable)
C1882	Cardioverter-defibrillator, other than single or dual-chamber (implantable)
LEADS	
C1777	Lead, cardioverter-defibrillator, endocardial single coil (implantable)
C1895	Lead, cardioverter-defibrillator, endocardial dual coil (implantable)
C1896	Lead, cardioverter-defibrillator, other than endocardial single or dual coil (implantable)

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### CODING AND REIMBURSEMENT FOR IMPLANTABLE CARDIOVERTER DEFIBRILLATORS (ICD)

#### ICD-10-CM Diagnosis Codes<sup>6</sup>

**INTRO** 

Diagnosis codes are used by both hospitals and physicians to document the indication for the procedure. For Cardiac Pacemaker, Implantable Cardioverter Defibrillator (ICD) and Implantable/Insertable Cardiac Monitors (ICM) patients, there are many possible diagnosis code scenarios and a wide variety of possible combinations. The possible scenarios and combinations are too numerous to capture in this document. The customer should check with their local carriers or intermediaries and should consult with legal counsel or a financial, coding or reimbursement specialist for coding, reimbursement or billing questions related to ICD-10-CM diagnosis codes.

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### ABBOTT CODING GUIDE

CARDIAC RESYNCHRONIZATION THERAPY (CRT-P & CRT-D)

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#### CODING AND REIMBURSEMENT FOR CARDIAC RESYNCHRONIZATION THERAPY (CRT)

#### Physician<sup>1</sup>

Abbott

CRT procedures are often reported with add-on code 33225. Add-on code 33225 can be performed when medically appropriate with the primary service/procedure codes listed below. Add-on codes may not be reported as a stand-alone and must be billed when performed in conjunction with the primary service or procedure. Add-on codes qualify for separate payment for physicians and are not subject to the Physician Multiple Payment Reduction Rule.

CPT <sup>‡</sup> CODE	ADD-ON CODE CPT‡ CODE DESCRIPTOR (LIST SEPARATELY IN ADDITION TO CODE FOR THE PRIMARY PROCEDURE)	WORK RVU	NATIONAL MEDICARE RATE FACILITY	NATIONAL MEDICARE RATE NON FACILITY	REPORT WITH PRIMARY PROCEDURE CODE
LEFT VEN	NTRICULAR LEAD PLACEMENT FOR CRT PROCEDURES				
+33225	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, at time of insertion of implantable defibrillator or pacemaker pulse generator (e.g., for upgrade to dual chamber system) (List separately in addition to code for primary procedure)	8.33	\$479	NA	33206, 33207, 33208, 33212, 33213, 33214, 33216, 33217, 33221, 33223, 33228, 33229, 33230, 33231, 33233, 33234, 33235, 33240, 33249, 33263, or 33264

NA = There is no established Medicare payment in this setting. It is incumbent upon the physician to determine which, if any, modifiers should be used first.

+ = Indicates an add-on-code

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## PAGE 1 \* PAGE 2 CODING AND REIMBURSEMENT FOR CARDIAC RESYNCHRONIZATION THERAPY (CRT)

#### Physician<sup>1</sup>

Abbott

CPT <sup>‡</sup> CODE	DESCRIPTION		NATIONAL MEDICARE RATE FACILITY	NATIONAL MEDICARE RATE NON-FACILITY
OTHER C	RT PROCEDURES			
33224	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, with attachment to previously placed pacemaker or implantable defibrillator pulse generator (including revision of pocket, removal, insertion, and/or replacement of existing generator)	9.04	\$527	NA
33226	Repositioning of previously implanted cardiac venous system (left ventricular) electrode (including removal, insertion and/or replacement of existing generator)	8.68	\$505	NA
33229	Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; multiple lead system	5.79	\$386	NA
33221	Insertion of pacemaker pulse generator only; with existing multiple leads	5.55	\$372	NA
33264	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; multiple lead system	6.35	\$417	NA
33231	Insertion of implantable defibrillator pulse generator only; with existing multiple leads	6.34	\$412	NA

NA = There is no established Medicare payment in this setting. It is incumbent upon the physician to determine which, if any, modifiers should be used first.

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#### CODING AND REIMBURSEMENT FOR CARDIAC RESYNCHRONIZATION THERAPY (CRT)

#### Hospital Outpatient<sup>2</sup>

CRT procedures are often reported with add-on code 33225. Add-on code 33225 can be performed when medically appropriate with the primary service/procedure codes listed below. Add-on codes may not be reported as a stand-alone and must be billed when performed in conjunction with the primary service or procedure. Some of these code combinations qualify for a complexity adjusted APC assignment; APC assignments are shown below.

CPT‡ CODE	ADD-ON CODE CPT‡ CODE DESCRIPTOR (LIST SEPARATELY IN ADDITION TO CODE FOR THE PRIMARY PROCEDURE)	STATUS INDICATOR	REPORT WITH PRIMARY PROCEDURE CODE	APC (WHEN REPORTED WITH PRIMARY CODE)	NATIONAL MEDICARE RATE
LEFT VE	NTRICULAR LEAD PLACEMENT FOR CRT PROCEDURES				
			33234, 33235	5221	\$3,440
	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, at time of insertion of implantable defibrillator or pacemaker pulse generator (e.g., for upgrade to dual chamber system) (List separately in addition to code for primary procedure)	N	33212, 33216, 33217, 33233	5222	\$8,153
			33213, 33214	5223	\$10,400
+33225			33206, 33207, 33208, 33221, 33228, 33229	5224	\$18,611
			33230, 33240, 33263	5231	\$23,040
			33231, 33249, 33264	5232	\$32,839
			33222, 33223	5054	\$1,715

N = Items and services packaged into APC rates

+ = Indicates an add-on-code

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#### CODING AND REIMBURSEMENT FOR CARDIAC RESYNCHRONIZATION THERAPY (CRT)

#### Hospital Outpatient<sup>2</sup>

Abbott

CPT <sup>‡</sup> CODE	DESCRIPTION		APC	NATIONAL MEDICARE RATE
OTHER C	RT PROCEDURES			
33224	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, with attachment to previously placed pacemaker or implantable defibrillator pulse generator (including revision of pocket, removal, insertion, and/or replacement of existing generator)	J1	5223	\$10,400
33226	Repositioning of previously implanted cardiac venous system (left ventricular) electrode (including removal, insertion and/or replacement of existing generator)	J1	5183	\$2,862
33229	Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; multiple lead system	J1	5224	\$18,611
33221	Insertion of pacemaker pulse generator only; with existing multiple leads	J1	5224	\$18,611
33264	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; multiple lead system	J1	5232	\$32,839
33231	Insertion of implantable defibrillator pulse generator only; with existing multiple lead	J1	5232	\$32,839

J1 = Hospital Part B services paid through a comprehensive APC

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#### CODING AND REIMBURSEMENT FOR CARDIAC RESYNCHRONIZATION THERAPY (CRT)

#### Ambulatory Surgery Center<sup>4</sup> (ASC)

CRT procedures are often reported with add-on code 33225. Add-on code 33225 can be performed when medically appropriate with the primary service/procedure codes listed below. Add-on codes may not be reported as a stand-alone and must be billed when performed in conjunction with the primary service or procedure. Medicare does not make separate payment for add-on code 33225 in the ASC setting.

CPT <sup>‡</sup> CODE	ADD-ON CODE CPT‡ CODE DESCRIPTOR (LIST SEPARATELY IN ADDITION TO CODE FOR THE PRIMARY PROCEDURE)	PAYMENT INDICATOR	MULTI-PROCEDURE DISCOUNT	REPORT WITH PRIMARY PROCEDURE CODE	NATIONAL MEDICARE RATE
LEFT VE	NTRICULAR LEAD PLACEMENT FOR CRT PROCEDURES				
				33206	\$7,625
			33207 33208 33212 33213 33214 33216 33217 33221 33223 N 33228 33228 33230 33231 33233 33234 33235	33207	\$7,733
				33208	\$7,889
				33212	\$6,723
				33213	\$7,873
				\$7,761	
	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, at time of insertion of implantable defibrillator or pacemaker pulse generator (e.g., for upgrade to dual chamber system) (List separately in addition to code for primary procedure)	N1		33216	\$5,543
				33217	\$7,147
				33221	\$12,063
				33223	\$867
+33225				33228	\$7,692
				33229	\$12,014
				33230	\$20,777
				33231	\$26,730
				33233	\$5,746
				33234	\$2,329
				33235	\$2,284
			33240	\$20,362	
				33249	\$26,715
				33263	\$19,972
				33264	\$26,610

+ = Indicates an add-on code N1 = Packaged service/item; no separate payment made.

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#### CODING AND REIMBURSEMENT FOR CARDIAC RESYNCHRONIZATION THERAPY (CRT)

#### Ambulatory Surgery Center<sup>4</sup> (ASC)

CPT <sup>‡</sup> CODE	DESCRIPTION	PAYMENT INDICATOR	MULTI-PROCEDURE DISCOUNT	NATIONAL MEDICARE RATE
OTHER C	RT PROCEDURES			
33224	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, with attachment to previously placed pacemaker or implantable defibrillator pulse generator (including revision of pocket, removal, insertion, and/or replacement of existing generator)	J8	Y	\$7,646
33226	Repositioning of previously implanted cardiac venous system (left ventricular) electrode (including removal, insertion and/or replacement of existing generator)	G2	$\mathbf{Y}$	\$1,365
33229	Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; multiple lead system	J8	$\mathbf{Y}$	\$12,014
33221	Insertion of pacemaker pulse generator only; with existing multiple leads	<b>J</b> 8	$\mathbf{Y}$	\$12,063
33264	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; multiple lead system	J8	Y	\$26,610
33231	Insertion of implantable defibrillator pulse generator only; with existing multiple leads	J8	$\mathbf{Y}$	\$26,730

G2 = Non office-based surgical procedure added in CY 2008 or later; payment based on OPPS relative payment weight.

J8 = Device-intensive procedure; paid at adjusted rate.

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#### CODING AND REIMBURSEMENT FOR CARDIAC RESYNCHRONIZATION THERAPY (CRT)

#### Hospital Inpatient<sup>3</sup>

Abbott

Note: report the combination of device insertion and/or lead(s) codes that best describes the procedure performed

ICD-10 PCS CODE <sup>7</sup>	DESCRIPTION	TYPICAL MS-DRG ASSIGNMENT	NATIONAL MEDICARE RATE
PERMANENT	CARDIAC PACEMAKER IMPLANT (DRGs 242, 243 AND 244)		
0JH607Z	Insertion of cardiac resynchronization pacemaker pulse generator into chest subcutaneous tissue and fascia, open approach		
0JH637Z	Insertion of cardiac resynchronization pacemaker pulse generator into chest subcutaneous tissue and fascia, percutaneous approach	242 with MCC	
0JH807Z	Insertion of cardiac resynchronization pacemaker pulse generator into abdomen subcutaneous tissue and fascia, open approach		\$23,926
0JH837Z	Insertion of cardiac resynchronization pacemaker pulse generator into abdomen subcutaneous tissue and fascia, percutaneous approach	243 with CC	\$16,278
02HL4JZ	Insertion of pacemaker lead into left ventricle, percutaneous endoscopic approach	244	\$13,277
02HL3JZ	Insertion of pacemaker lead into left ventricle, percutaneous approach	without CC/	
02HL0JZ	Insertion of pacemaker lead into left ventricle, open approach	MCC	
02H44JZ	Insertion of pacemaker lead into coronary vein, percutaneous endoscopic approach		
02H43JZ	Insertion of pacemaker lead into coronary vein, percutaneous approach		
02H40JZ	Insertion of pacemaker lead into coronary vein, open approach		

CC: complication or comorbidity. MCC: a major complication or comorbidity when used as a secondary diagnosis

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#### CODING AND REIMBURSEMENT FOR CARDIAC RESYNCHRONIZATION THERAPY (CRT)

#### Hospital Inpatient<sup>3</sup>

Abbott

Note: report the combination of device insertion and/or lead(s) codes that best describes the procedure performed

ICD-10 PCS CODE <sup>7</sup>	<b>DESCRIPTION</b>	TYPICAL MS-DRG ASSIGNMENT	NATIONAL MEDICARE RATE		
CARDIAC PA	CARDIAC PACEMAKER DEVICE REPLACEMENT (DRGs 258 AND 259)				
OJPTOPZ	Removal of cardiac rhythm related device from trunk subcutaneous tissue and fascia, open approach	258 with MCC	\$20,576		
0JPT3PZ	Removal of cardiac rhythm related device from trunk subcutaneous tissue and fascia, percutaneous approach	259 without MCC	\$13,628		
CARDIAC PA	CEMAKER REVISION EXCEPT DEVICE REPLACEMENT (DRGs 260, 261 AND 262)				
OJWTOPZ	Revision of cardiac rhythm related device in trunk subcutaneous tissue and fascia, open approach				
0JWT3PZ	Revision of cardiac rhythm related device in trunk subcutaneous tissue and fascia, percutaneous approach	260 with MCC	\$23,038		
02WA0MZ	Revision of cardiac lead in heart, open approach	261 with CC	\$12,799		
02WA3MZ	Revision of cardiac lead in heart, percutaneous approach	262 without CC/MCC	\$10,979		
02WA4MZ	Revision of cardiac lead in heart, percutaneous endoscopic approach				

CC: complication or comorbidity. MCC: a major complication or comorbidity when used as a secondary diagnosis

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#### CODING AND REIMBURSEMENT FOR CARDIAC RESYNCHRONIZATION THERAPY (CRT)

Hospital Inpatient<sup>3</sup> Note: report the combination of device insertion and/or lead(s) codes that best describes the procedure performed

ICD-10 PCS CODE <sup>7</sup>	DESCRIPTION	TYPICAL MS-DRG ASSIGNMENT	NATIONAL MEDICARE RATE
CARDIAC DEFIBRILLATOR IMPLANT (DRGs 222, 223, 224, 225, 226, AND 227)			
0JH609Z	Insertion of cardiac resynchronization defibrillator pulse generator into chest subcutaneous tissue and fascia, open approach	With Cardiac Catheterization, with AMI/HF/SHOCK 222 with MCC 223 without MCC With Cardiac	
0JH639Z	Insertion of cardiac resynchronization defibrillator pulse generator into chest subcutaneous tissue and fascia, percutaneous approach		
0JH809Z	Insertion of cardiac resynchronization defibrillator pulse generator into abdomen subcutaneous tissue and fascia, open approach		\$54,127 \$39,928
0JH839Z	Insertion of cardiac resynchronization defibrillator pulse generator into abdomen subcutaneous tissue and fascia, percutaneous approach		
02HL4KZ	Insertion of defibrillator lead into left ventricle, percutaneous endoscopic approach	Catheterization, with- out AMI/HF/SHOCK	\$47,321
02HL3KZ	Insertion of defibrillator lead into left ventricle, percutaneous approach	224 with MCC 225 without MCC  Without Cardiac	\$36,166
02HL0KZ	Insertion of defibrillator lead into left ventricle, open approach		
02H44KZ	Insertion of defibrillator lead into coronary vein, percutaneous endoscopic approach	Catheterization 226 with MCC 227 without MCC	\$42,497 \$33,757
02H43KZ	Insertion of defibrillator lead into coronary vein, percutaneous approach		
02H40KZ	Insertion of defibrillator lead into coronary vein, open approach		

CC: complication or comorbidity. MCC: a major complication or comorbidity when used as a secondary diagnosis

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#### CODING AND REIMBURSEMENT FOR CARDIAC RESYNCHRONIZATION THERAPY (CRT)

#### Hospital Inpatient<sup>3</sup>

Abbott

Note: report the combination of device insertion and/or lead(s) codes that best describes the procedure performed

ICD-10 PCS CODE <sup>7</sup>	DESCRIPTION DESCRIPTION	TYPICAL MS-DRG ASSIGNMENT	NATIONAL MEDICARE RATE
AICD GENER	ATOR PROCEDURES (DRG 245)		
0JH609Z	Insertion of cardiac resynchronization defibrillator pulse generator into chest subcutaneous tissue and fascia, open approach		
0JH639Z	Insertion of cardiac resynchronization defibrillator pulse generator into chest subcutaneous tissue and fascia, percutaneous approach		фэ.4. <b>7</b> 00
0JH809Z	Insertion of cardiac resynchronization defibrillator pulse generator into abdomen subcutaneous tissue and fascia, open approach	245	\$34,799
0JH839Z	Insertion of cardiac resynchronization defibrillator pulse generator into abdomen subcutaneous tissue and fascia, percutaneous approach		
AICD LEAD P	ROCEDURES (DRG 265)		
02H43KZ	Insertion of defibrillator lead into coronary vein, percutaneous approach		
02H43MZ	Insertion of cardiac lead into coronary vein, percutaneous approach		\$21,614
02H63KZ	Insertion of defibrillator lead into right atrium, percutaneous approach		
02H73KZ	Insertion of defibrillator lead into left atrium, percutaneous approach	265	
02HK3KZ	Insertion of defibrillator lead into right ventricle, percutaneous approach		
02HL3KZ	Insertion of defibrillator lead into left ventricle, percutaneous approach		
02HN0KZ	Insertion of defibrillator lead into pericardium, open approach		
02HN4KZ	Insertion of defibrillator lead into pericardium, percutaneous endoscopic approach		

CC: complication or comorbidity. MCC: a major complication or comorbidity when used as a secondary diagnosis

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#### CODING AND REIMBURSEMENT FOR CARDIAC RESYNCHRONIZATION THERAPY (CRT)

### Hospital Inpatient<sup>3</sup>

Abbott

Note: report the combination of device insertion and/or lead(s) codes that best describes the procedure performed

ICD-10 PCS CODE <sup>7</sup>	DESCRIPTION	TYPICAL MS-DRG ASSIGNMENT	NATIONAL MEDICARE RATE
AICD LEAD P	ROCEDURES (DRG 265) continued		
02HL4KZ	Insertion of defibrillator lead into left ventricle, percutaneous endoscopic approach		
02HL0KZ	Insertion of defibrillator lead into left ventricle, open approach		
02HK4KZ	Insertion of defibrillator lead into right ventricle, percutaneous endoscopic approach		
02HK0KZ	Insertion of defibrillator lead into right ventricle, open approach		
02H44KZ	Insertion of defibrillator lead into coronary vein, percutaneous endoscopic approach	265	\$21,614
02H60KZ	Insertion of defibrillator lead into right atrium, open approach		
02H64KZ	Insertion of defibrillator lead into right atrium, percutaneous endoscopic approach		
02H70KZ	Insertion of defibrillator lead into left atrium, open approach		
02H74KZ	Insertion of defibrillator lead into left atrium, percutaneous endoscopic approach		

CC: complication or comorbidity. MCC: a major complication or comorbidity when used as a secondary diagnosis

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CARDIOVERTER
DEFIBRILLATORS (ICD)

CARDIAC RESYNCHRONIZATION THERAPY (CRT) IMPLANTABLE/
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CARDIAC DEVICE MONITORING

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## IMPLANTABLE/INSERTABLE CARDIAC MONITORS (ICM)

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ADDITIONAL CODES

# CODING AND REIMBURSEMENT FOR IMPLANTABLE/INSERTABLE CARDIAC MONITORS (ICM)

Physician<sup>1</sup>

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CPT <sup>‡</sup>			NATIONAL MEDICARE RATE		
CODE		RVU	FACILITY	NON FACILITY	
IMPLAN	T				
33285	Insertion, subcutaneous cardiac rhythm monitor, including programming	1.53	\$90	\$5,200	
REMOV	<b>AL</b>				
33286	Removal, subcutaneous cardiac rhythm monitor	1.50	\$89	\$141	

It is incumbent upon the physician to determine which, if any, modifiers should be used first.

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### CODING AND REIMBURSEMENT FOR IMPLANTABLE/INSERTABLE CARDIAC MONITORS (ICM)

Hospital Outpatient<sup>2</sup>

CPT <sup>‡</sup> CODE	DESCRIPTION DESCRIPTION	STATUS	APC	NATIONAL MEDICARE RATE
IMPLAN				
33285	Insertion, subcutaneous cardiac rhythm monitor, including programming	J1	5222	\$8,153
REMOV	<b>AL</b>			
33286	Removal, subcutaneous cardiac rhythm monitor	Q2	5071	\$622

J1 = Hospital Part B services paid through a comprehensive APC Q2 = T Packaged codes

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**ADDITIONAL CODES** 

# CODING AND REIMBURSEMENT FOR IMPLANTABLE/INSERTABLE CARDIAC MONITORS (ICM)

### Ambulatory Surgery Center<sup>4</sup> (ASC)

**INTRO** 

CPT <sup>‡</sup> CODE	DESCRIPTION	PAYMENT INDICATOR	MULTI-PROCEDURE DISCOUNT	2019 NATIONAL MEDICARE RATE
IMPLAN	NT			
33285	Insertion, subcutaneous cardiac rhythm monitor, including programming	J8	Y	\$7,041
REMOV	<b>AL</b>			
33286	Removal, subcutaneous cardiac rhythm monitor	G2	N	\$314

G2 = Non office-based surgical procedure added in CY 2008 or later; payment based on OPPS relative payment weight J8 = Device-intensive procedure; paid at adjusted rate.

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## CODING AND REIMBURSEMENT FOR IMPLANTABLE/INSERTABLE CARDIAC MONITORS (ICM)

### Hospital Inpatient<sup>3</sup>

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Note: report the combination of device insertion and/or lead(s) codes that best describes the procedure performed

ICD-10 PCSCODE <sup>7</sup>	DESCRIPTION TYPICAL MS-DRG ASSIGNMENT		NATIONAL MEDICARE RATE
ICM INSER	TION		
0JH632Z	Insertion of monitoring device into chest subcutaneous tissue and fascia, percutaneous approach  Cardiac Pacemaker revision except device replacement  260 with MCC  261 with CC  262 without CC/MCC		\$23,038 \$12,799 \$10,979
ICM REMO	VAL		
0JPT32Z	Removal of monitoring device from trunk subcutaneous tissue and fascia, percutaneous approach Monitoring of cardiac electrical activity, ambulatory, external approach	Does not impact MS-DRG assignment	NA
ICM MONIT	ORING		
4A12X45	Monitoring of cardiac electrical activity, ambulatory, external approach	Does not impact MS-DRG assignment	NA

NA = There is no established Medicare payment in this setting. CC: complication or comorbidity. MCC: a major complication or comorbidity when used as a secondary diagnosis

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## CODING AND REIMBURSEMENT FOR IMPLANTABLE/INSERTABLE CARDIAC MONITORS (ICM)

HCPCS Device Category C-Codes<sup>5</sup>

C-CODE DESCRIPTION

#### **EVENT RECORDER**

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C1764 Event recorder, cardiac (implantable)

## ICD-10-CM Diagnosis Codes<sup>6</sup>

Diagnosis codes are used by both hospitals and physicians to document the indication for the procedure. For Cardiac Pacemaker, Implantable Cardioverter defibrillator (ICD) and Implantable/Insertable Cardiac Monitors (ICM) patients, there are many possible diagnosis code scenarios and a wide variety of possible combinations. The possible scenarios and combinations are too numerous to capture in this document. The customer should check with their local carriers or intermediaries and should consult with legal counsel or a financial, coding or reimbursement specialist for coding, reimbursement or billing questions related to ICD-10-CM diagnosis codes.

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## CARDIAC DEVICE MONITORING

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HOSPITAL OUTPATIENT

#### CODING AND REIMBURSEMENT FOR CARDIAC DEVICE MONITORING

Physician<sup>1</sup>

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CPT <sup>‡</sup>	DESCRIPTION		NATIONAL	MEDICARE RATE
CODE		RVU	FACILITY	NON FACILITY
PACEA	MAKER/CRT-P DEVICE MONITORING - IN PERSON			
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 analysis, review and report by a physician or other qualified health care professional; single lead pacemaker system or leadless pacemaker system in one cardiac chamber	0.65	\$32*	\$67
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 analysis, review and report by a physician or other qualified health care professional; dual lead pacemaker system	0.77	\$39*	\$80
93281	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 analysis, review and report by a physician or other qualified health care professional; multiple lead pacemaker system	0.85	\$43*	\$85
93288	Interrogation device evaluation (in person) with analysis, review and report by a physician or other qualified health care professional, includes connection, recording and disconnection per patient encounter; single, dual, or multiple lead pacemaker system, or leadless pacemaker system	0.43	\$21*	\$56
93286	Peri-procedural device evaluation (in person) and programming of device system parameters before or after a surgery, procedure, or test with analysis, review and report by a physician or other qualified health care professional; single, dual, or multiple lead pacemaker system, or leadless pacemaker system	0.30	\$15*	\$46
93293	Transtelephonic rhythm strip pacemaker evaluation(s) single, dual, or multiple lead pacemaker system, includes recording with and without magnet application with analysis, review and report(s) by a physician or other qualified health care professional, up to 90 days	0.31	<b>\$15</b> *	\$52

\*The National Facility rates shown with an \* reflect payment when modifier 26 is used (i.e. payment only for the professional component).

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#### CODING AND REIMBURSEMENT CARDIAC DEVICE MONITORING

### Physician<sup>1</sup>

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CPT <sup>‡</sup>	DESCRIPTION		NATIONAL	MEDICARE RATE
CODE		RVU	FACILITY	NON FACILITY
PACEM	AAKER/CRT-P DEVICE MONITORING - REMOTE			
93294	Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead pacemaker system, or leadless pacemaker system with interim analysis, review(s) and report(s) by a physician or other qualified health care professional	0.60	\$31	\$31
93296	Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead pacemaker system, leadless pacemaker system, or implantable defibrillator system, remote data acquisition(s), receipt of transmissions and technician review, technical support and distribution of results	0.00	NA	\$26
ICD/C	RT-D DEVICE MONITORING - IN PERSON			
93282	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 analysis, review and report by a physician or other qualified health care professional; single lead transvenous implantable defibrillator system	0.85	\$43*	\$81
93283	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 analysis, review and report by a physician or other qualified health care professional; dual lead transvenous implantable defibrillator system	1.15	\$58*	\$99
93284	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 analysis, review and report by a physician or other qualified health care professional; multiple lead transvenous implantable defibrillator system	1.25	\$63*	\$107

NA = There is no established Medicare payment in this setting. It is incumbent upon the physician to determine which, if any modifiers should be used first.

\*The National Facility rates shown with an \* reflect payment when modifier 26 is used (i.e. payment only for the professional component).
93296: The physician practice may only bill the technical service if the physician personally performs the technical service or employs the staff i

93296: The physician practice may only bill the technical service if the physician personally performs the technical service or employs the staff member who performs the technical service. If a device industry representative is involved in performing the technical service under the physician's direction, then the physician may only bill the professional service, i.e., physician analysis, review(s) and report(s).

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#### Physician<sup>1</sup>

Abbott

CPT <sup>‡</sup>	DESCRIPTION		NATIONAL MEDICARE RATE	
CODE		RVU	FACILITY	NON FACILITY
ICD/C	RT-D DEVICE MONITORING - IN PERSON continued			
93289	Interrogation device evaluation (in person) with analysis, review and report by a physician or other qualified health care professional, includes connection, recording and disconnection per patient encounter; single, dual, or multiple lead transvenous implantable defibrillator system, including analysis of heart rhythm derived data elements	0.75	\$38*	\$73
93287	Peri-procedural device evaluation (in person) and programming of device system parameters before or after a surgery, procedure, or test with analysis, review and report by a physician or other qualified health care professional; single, dual, or multiple lead implantable defibrillator system	0.45	\$23*	\$54
ICD/CI	RT-D DEVICE MONITORING - REMOTE			
93295	Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead implantable defibrillator system with interim analysis, review(s) and report(s) by a physician or other qualified health care professional	0.74	\$38	\$38
93296	Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead pacemaker system, leadless pacemaker system, or implantable defibrillator system, remote data acquisition(s), receipt of transmissions and technician review, technical support and distribution of results	0.00	NA	\$26
IMPLA	NTABLE CARDIOVASCULAR PHYSIOLOGIC MONITORING - IN PERSON			
93290	Interrogation device evaluation (in person) with analysis, review and report by a physician or other qualified health care professional, includes connection, recording and disconnection per patient encounter; implantable cardiovascular physiologic monitor system, including analysis of 1 or more recorded physiologic cardiovascular data elements from all internal and external sensors	0.43	\$22*	\$53

NA = There is no established Medicare payment in this setting. It is incumbent upon the physician to determine which, if any, modifiers should be used first.

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<sup>\*</sup>The National Facility rates shown with an \* reflect payment when modifier 26 is used (i.e. payment only for the professional component).

<sup>93296:</sup> The physician practice may only bill the technical service if the physician personally performs the technical service or employs the staff member who performs the technical service. If a device industry representative is involved in performing the technical service under the physician's direction, then the physician may only bill the professional service, i.e., physician analysis, review(s) and report(s).

### Physician<sup>1</sup>

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CPT <sup>‡</sup>	DESCRIPTION		NATIONAL	MEDICARE RATE
CODE		RVU	FACILITY	NON FACILITY
IMPLAN	TABLE CARDIOVASCULAR PHYSIOLOGIC MONITORING - REMOTE			
93297	Interrogation device evaluation(s), (remote) up to 30 days; implantable cardiovascular physiologic monitor system, including analysis of 1 or more recorded physiologic cardiovascular data elements from all internal and external sensors, analysis, review(s) and report(s) by a physician or other qualified health care professional	0.52	\$27	\$27
G2066	Interrogation device evaluation(s), (remote) up to 30 days; implantable cardiovascular physiologic monitor system or subcutaneous cardiac rhythm monitor system, remote data acquisition(s), receipt of transmissions and technician review, technical support and distribution of results	0.00	Carrier priced	Carrier priced
ICM DEV	/ICE MONITORING - IN PERSON			
93285	Programming device evaluation, (in person) with iterative adjustment of the implantable device to test function of the device and select optimal permanent programmed values with analysis, review and report by a physician or other qualified health care professional; subcutaneous cardiac rhythm monitor system	0.52	\$26*	\$60
93291	Interrogation device evaluation, (in person) with analysis, review and report by a physician or other qualified health care professional, includes connection, recording and disconnection per patient encounter; including heart rhythm derived data analysis, subcutaneous cardiac rhythm monitor system, including heart rhythm derived data	0.37	\$18*	\$49
ICM DEV	/ICE MONITORING - REMOTE			
93298	Interrogation device evaluation(s), (remote) up to 30 days; subcutaneous cardiac rhythm monitor system, including analysis of heart rhythm derived data, analysis review(s) and report(s) by a physician or other qualified health care professional	0.52	\$27	\$27
G2066	Interrogation device evaluation(s), (remote) up to 30 days; implantable cardiovascular physiologic monitor system or subcutaneous cardiac rhythm monitor system, remote data acquisition(s), receipt of transmissions and technician review, technical support and distribution of results	0.00	Carrier priced	Carrier priced

<sup>\*</sup>The National Facility rates shown with an \* reflect payment when modifier 26 is used (i.e. payment only for the professional component).

Carrier priced: Medicare has not established a payment amount for this code. Check with your local Medicare Administrative Contractor (MAC) to verify the payment amount.

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G2066: The physician practice may only bill the technical service if the physician personally performs the technical service or employs the staff member who performs the technical service. If a device industry representative is involved in performing the technical service under the physician's direction, then the physician may only bill the professional service, i.e., physician analysis, review(s) and report(s).

It is incumbent upon the physician to determine which, if any modifiers should be used first.

### Hospital Outpatient<sup>2</sup>

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CPT <sup>‡</sup> CODE	DESCRIPTION	STATUS INDICATOR	APC	NATIONAL MEDICARE RATE
PACEMA	KER/CRT-P DEVICE MONITORING - IN PERSON			
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 analysis, review and report by a physician or other qualified health care professional; single lead pacemaker system or leadless pacemaker system in one cardiac chamber	Q1	5741	\$37
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 analysis, review and report by a physician or other qualified health care professional; dual lead pacemaker system	Q1	5741	\$37
93281	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 analysis, review and report by a physician or other qualified health care professional; multiple lead pacemaker system	Q1	5741	\$37
93288	Interrogation device evaluation (in person) with analysis, review and report by a physician or other qualified health care professional, includes connection, recording and disconnection per patient encounter; single, dual, or multiple lead pacemaker system, or leadless pacemaker system	Q1	5741	\$37
93286	Peri-procedural device evaluation (in person) and programming of device system parameters before or after a surgery, procedure, or test with analysis, review and report by a physician or other qualified health care professional; single, dual, or multiple lead pacemaker system, or leadless pacemaker system	N	NA	Packaged
93293	Transtelephonic rhythm strip pacemaker evaluation(s) single, dual, or multiple lead pacemaker system, includes recording with and without magnet application with analysis, review and report(s) by a physician or other qualified health care professional, up to 90 days	Q1	5741	\$37

NA = There is no established Medicare payment in this setting.
Q1 = STV-Packaged codes
N = Items or services packaged into APC rates

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#### Hospital Outpatient<sup>2</sup>

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CPT <sup>‡</sup> CODE	DESCRIPTION DESCRIPTION	STATUS INDICATOR	APC	NATIONAL MEDICARE RATE
PACEMA	KER/CRT-P DEVICE MONITORING - REMOTE			
93294	Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead pacemaker system, or leadless pacemaker system with interim analysis, review(s) and report(s) by a physician or other qualified health care professional	M	NA	NA
93296	Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead pacemaker system, leadless pacemaker system, or implantable defibrillator system, remote data acquisition(s), receipt of transmissions and technician review, technical support and distribution of results	Q1	5741	\$37
ICD/CRT	-D DEVICE MONITORING - IN PERSON			
93282	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 analysis, review and report by a physician or other qualified health care professional; single lead transvenous implantable defibrillator system	Q1	5741	\$37
93283	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 analysis, review and report by a physician or other qualified health care professional; dual lead transvenous implantable defibrillator system	Q1	5741	\$37
93284	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 analysis, review and report by a physician or other qualified health care professional; multiple lead transvenous implantable defibrillator system	Q1	5741	\$37

NA = There is no established Medicare payment in this setting.

Q1 = STV-Packaged codes

M = Items and services not billable to the fiscal intermediary

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#### Hospital Outpatient<sup>2</sup>

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CPT <sup>‡</sup> CODE	DESCRIPTION	STATUS INDICATOR	APC	NATIONAL MEDICARE RATE				
ICD/CRT	ICD/CRT-D DEVICE MONITORING - IN PERSON continued							
93289	Interrogation device evaluation (in person) with analysis, review and report by a physician or other qualified health care professional, includes connection, recording and disconnection per patient encounter; single, dual, or multiple lead transvenous implantable defibrillator system, including analysis of heart rhythm derived data elements	Q1	5741	\$37				
93287	Peri-procedural device evaluation (in person) and programming of device system parameters before or after a surgery, procedure, or test with analysis, review and report by a physician or other qualified health care professional; single, dual, or multiple lead implantable defibrillator system	${f N}$	NA	Packaged				
ICD/CRT-D DEVICE MONITORING - REMOTE								
93295	Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead implantable defibrillator system with interim analysis, review(s) and report(s) by a physician or other qualified health care professional	M	NA	NA				
93296	Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead pacemaker system, leadless pacemaker system, or implantable defibrillator system, remote data acquisition(s), receipt of transmissions and technician review, technical support and distribution of results	Q1	5741	\$37				
IMPLAN	IMPLANTABLE CARDIOVASCULAR PHYSIOLOGIC MONITORING - IN PERSON							
93290	Interrogation device evaluation (in person) with analysis, review and report by a physician or other qualified health care professional, includes connection, recording and disconnection per patient encounter; implantable cardiovascular physiologic monitor system, including analysis of 1 or more recorded physiologic cardiovascular data elements from all internal and external sensors	Q1	5741	\$37				

NA = There is no established Medicare payment in this setting.

Q1 = STV-Packaged codes

N = Items or services packaged into APC rates

M = Items and services not billable to the fiscal intermediary

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#### CODING AND REIMBURSEMENT FOR CARDIAC DEVICE MONITORING

### Hospital Outpatient<sup>2</sup>

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CPT <sup>‡</sup> CODE	DESCRIPTION	STATUS INDICATOR	APC	NATIONAL MEDICARE RATE			
IMPLA	IMPLANTABLE CARDIOVASCULAR PHYSIOLOGIC MONITORING - REMOTE						
93297	Interrogation device evaluation(s), (remote) up to 30 days; implantable cardiovascular physiologic monitor system, including analysis of 1 or more recorded physiologic cardiovascular data elements from all internal and external sensors, analysis, review(s) and report(s) by a physician or other qualified health care professional	M	NA	NA			
G2066	Interrogation device evaluation(s) (remote) up to 30 days; implantable cardiovascular physiologic monitor system or remote data acquisition(s), receipt of transmissions and technician review, technical support and distribution of results	Q1	5741	\$37			
ICM DE	ICM DEVICE MONITORING - IN PERSON						
93285	Programming device evaluation, (in person) with iterative adjustment of the implantable device to test function of the device and select optimal permanent programmed values with analysis, review and report by a physician or other qualified health care professional; subcutaneous cardiac rhythm monitor system	Q1	5741	\$37			
93291	Interrogation device evaluation, (in person) with analysis, review and report by a physician or other qualified health care professional, includes connection, recording and disconnection per patient encounter; including heart rhythm derived data analysis, subcutaneous cardiac rhythm monitor system, including heart rhythm derived data	Q1	5731	\$25			
ICM DE	ICM DEVICE MONITORING - REMOTE						
93298	Interrogation device evaluation(s), (remote) up to 30 days; subcutaneous cardiac rhythm monitor system, including analysis of heart rhythm derived data, analysis review(s) and report(s) by a physician or other qualified health care professional	M	NA	NA			
G2066	Interrogation device evaluation(s) (remote) up to 30 days; implantable cardiovascular physiologic monitor system or remote data acquisition(s), receipt of transmissions and technician review, technical support and distribution of results	Q1	5741	\$37			

NA = There is no established Medicare payment in this setting.

Q1 = STV-Packaged codes

M = Items and services not billable to the fiscal intermediary

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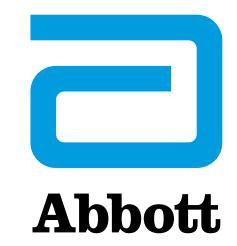
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