



CRM Devices Coding & Payment Quick Reference

PM, CRT-P, ICD, CRT-D, SICD by Site of Service

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.

The table below contains a list of possible CPT®/HCPCS codes that may be used to bill for cardiac rhythm procedures. Providers should select the most appropriate code(s) and modifier(s) with the highest level of detail to describe the service(s) actually rendered.

Physician Payment – Medicare

Physician claims must contain the appropriate CPT/HCPCS code(s) to indicate the items and services that are furnished. The table below contains a list of possible CPT/HCPCS codes that may be used to bill for cardiac rhythm procedures. Providers should select the most appropriate code(s) and modifier(s) with the highest level of detail to describe the service(s) rendered.

N/A indicates that Medicare has not deemed this procedure to be reimbursable in this setting. -26 Modifier indicates professional component, -TC Modifier indicates technical component. Procedures subject to multiple procedure reduction are shown in table @50 of payment rate.

All rates shown are 2026 Medicare national averages; actual rates will vary geographically and/or by individual facility.

CPT®/HCPCS Code	Code Description	Work RVUs	Total Office RVUs	Total Facility RVUs	Office Rate	Facility Rate
Pacemakers						
Implant / Pacemaker Initial						
33206	Insertion, initial single chamber pacemaker system with transvenous electrode; atrial	6.96	NA	12.04	NA	\$402
33207	Insertion of new or replacement pacemaker with transvenous electrode; ventricular	7.61	NA	12.64	NA	\$422
33208	Insertion of new or replacement pacemaker with transvenous electrode(s); atrial and ventricular	8.31	NA	13.65	NA	\$456
Replacement / Single pacemaker pulse generator reconnecting existing lead						
33227	Removal of pacemaker pulse generator with replacement of pulse generator; single lead system	5.12	NA	9.05	NA	\$302
Replacement / Single chamber, insertion of new atrial lead, capping of existing atrial lead						
33206	Insertion of new or replacement pacemaker with transvenous electrode(s); atrial	6.96	NA	12.04	NA	\$402
33233	Removal of pacemaker pulse generator only @50%*	3.06	NA	6.36	NA	\$106*
N/A	There is no code for capping a lead					
Replacement / Single chamber, insertion of new RV lead, capping of existing lead						
33207	Insertion of a new or replacement pacemaker with transvenous electrode; ventricular	7.61	NA	12.64	NA	\$422
33233	Removal of pacemaker pulse generator only @50%*	3.06	NA	6.36	NA	\$106*

*Procedure is subject to the Medicare Physician Multiple Procedure Discounting policy for the second through the fifth highest valued procedures performed during the same operative episode.

CPT®/ HCPCS Code	Code Description	Work RVUs	Total Office RVUs	Total Facility RVUs	Office Rate	Facility Rate
Replacement / Dual chamber, insertion of new RA and RV leads, capping of existing leads						
33208	Insertion of new or replacement pacemaker with transvenous electrode(s); atrial and ventricular	8.31	NA	13.65	NA	\$456
33233	Removal of pacemaker pulse generator only @50%*	3.06	NA	6.36	NA	\$106*
Replacement / Dual chamber pulse generator reconnecting existing leads						
33228	Removal of pacemaker pulse generator with replacement of pulse generator; dual lead system	5.38	NA	9.44	NA	\$315
Replacement / Insertion of pacemaker pulse generator only; with existing multiple leads reconnecting existing leads (CRTP)						
33229	Insertion of pacemaker pulse generator only; with reconnection of existing multiple leads	5.65	NA	9.87	NA	\$330
Removal / Removal of pacemaker pulse generator only						
33233	Removal of pacemaker pulse generator only; no leads are removed	3.06	NA	6.36	NA	\$212
Upgrade / Dual chamber pacemaker to dual ICD with new dual lead placement, capping pacemaker leads, insertion of new RA and RA ICD leads with Defibrillator Threshold Testing (DFT)						
33233	Removal of pacemaker pulse generator only @50%*	3.06	NA	6.36	NA	\$106*
33249	Insertion or replacement of ICD system with transvenous lead(s); single or dual chamber	14.55	NA	23.89	NA	\$798
93641-26	EP Evaluation of single or dual chamber pacing ICD lead(s) – professional component only @50%*	5.53	9.01	9.01	\$301	\$150*
Upgrade / Single chamber pacemaker to Dual chamber pacemaker with insertion of new RA or RV lead						
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)	7.40	NA	12.74	NA	\$426
Upgrade / Single chamber pacemaker to CRT-P with insertion of new RA or RV lead and insertion of LV lead						
33214	Upgrade of implanted pacemaker system, conversion of single chamber system to dual chamber system (includes removal of pulse generator, testing of existing lead, insertion of new lead, insertion of new pulse generator)	7.40	NA	12.74	NA	\$426
+33225	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing at the time of insertion of pacemaker or ICD pulse generator	8.12	NA	11.81	NA	\$394
Upgrade / Dual chamber pacemaker to CRT-P system reconnecting existing RA and RV leads and insertion of new LV lead						
33229	Removal of pacemaker pulse generator with replacement of pulse generator; multiple lead system	5.65	NA	9.87	NA	\$330
+33225	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing at the time of insertion of pacemaker or ICD pulse generator	8.12	NA	11.81	NA	\$394
Upgrade / Dual chamber pacemaker to CRT-P with new RA lead						
33233	Removal of pacemaker pulse generator only @50%*	3.06	NA	6.36	NA	\$106*
33206	Insertion of new or replacement pacemaker with transvenous electrode(s); atrial	6.96	NA	12.04	NA	\$402
+33225	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing at the time of insertion of pacemaker or ICD pulse generator	8.12	NA	11.81	NA	\$394

*Procedure is subject to the Medicare Physician Multiple Procedure Discounting policy for the second through the fifth highest valued procedures performed during the same operative episode.

CPT®/ HCPCS Code	Code Description	Work RVUs	Total Office RVUs	Total Facility RVUs	Office Rate	Facility Rate
Upgrade / Dual chamber pacemaker to CRT-P with new RV lead						
33233	Removal of pacemaker pulse generator only @50%*	3.06	NA	6.36	NA	\$106*
33207	Insertion of a new or replacement pacemaker with transvenous electrode; ventricular	7.61	NA	12.64	NA	\$422
+33225	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing at the time of insertion of pacemaker or ICD pulse generator	8.12	NA	11.81	NA	\$394
Relocation / Relocation of a skin pocket						
33222	Relocation of skin pocket for pacemaker	4.73	NA	9.29	NA	\$310
Upgrade / Dual chamber pacemaker to CRT-P, insertion of new RA and RV leads and new LV lead						
33233	Removal of pacemaker pulse generator only @50%*	3.06	NA	6.36	NA	\$106*
33208	Insertion of new or replacement pacemaker with transvenous electrode(s) atrial and ventricular	8.31	NA	13.65	NA	\$456
+33225	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing at the time of insertion of pacemaker or ICD pulse generator	8.12	NA	11.81	NA	\$394
Replacement / CRT-P replacement reconnecting existing leads						
33229	Removal of pacemaker pulse generator with replacement of pacemaker pulse generator; multiple lead system	5.65	NA	9.87	NA	\$330
Replacement / CRT-P replacement reconnecting existing leads and insertion of new LV lead						
33229	Removal of pacemaker pulse generator with replacement of pacemaker pulse generator; multiple lead system	5.65	NA	9.87	NA	\$330
+33225	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing at the time of insertion of pacemaker or ICD pulse generator	8.12	NA	11.81	NA	\$394
Defibrillators						
Implant / Initial single or dual chamber ICD with DFT at time of implant						
33249	Insertion of new or replacement implantable defibrillator system; with transvenous lead(s), single or dual chamber	14.55	NA	23.89	NA	\$798
93641-26	EP evaluation of single or dual chamber pacing ICD lead(s) @50%*	5.53	9.01	9.01	NA	\$150*
Implant / Initial CRT-D						
33249	Insertion of new or replacement implantable defibrillator system; with transvenous lead(s), single or dual chamber	14.55	NA	23.89	NA	\$798
+33225	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing at the time of insertion of pacemaker or ICD pulse generator	8.12	NA	11.81	NA	\$394
93641-26	EP evaluation of single or dual chamber pacing ICD lead(s) @50%*	5.53	9.01	9.01	NA	\$150*

*Procedure is subject to the Medicare Physician Multiple Procedure Discounting policy for the second through the fifth highest valued procedures performed during the same operative episode.

CPT®/ HCPCS Code	Code Description	Work RVUs	Total Office RVUs	Total Facility RVUs	Office Rate	Facility Rate
Replacement / Replacement of single chamber ICD reconnecting existing lead, with DFT at time of implant						
33262	Removal of defibrillator pulse generator with replacement of defibrillator pulse generator; single lead system	5.66	NA	9.86	NA	\$329
93641-26	EP evaluation of single or dual chamber pacing ICD lead(s) @50%*	5.53	9.01	9.01	NA	\$150*
Replacement / Replacement of dual ICD with reconnecting existing lead, with DFT at time of implant						
33263	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; dual lead system	5.93	NA	10.25	NA	\$342
93641-26	EP evaluation of single or dual chamber pacing ICD lead(s) @50%*	5.53	9.01	9.01	NA	\$150*
Replacement / Replacement of single chamber ICD Lead, includes extraction of existing lead, with DFT at time of implant						
33244	Removal of single or dual chamber ICD electrode(s) by transvenous extraction	13.40	NA	22.95	NA	\$767
33216	Insertion of a single transvenous electrode pacemaker or ICD @50%*	5.48	NA	9.89	NA	\$165*
93641-26	EP evaluation of single or dual chamber pacing ICD leads) @50%*	5.53	9.01	9.01	NA	\$150*
Replacement / Replacement of RA and RV leads, insertion of new RA and RV leads, with DFT at time of implant						
33244	Removal of single or dual chamber ICD electrode(s) by transvenous extraction	13.40	NA	22.95	NA	\$767
33217	Insertion of 2 transvenous electrodes, pacemaker or ICD @50%*	5.45	NA	9.89	NA	\$165*
93641-26	EP evaluation of single or dual chamber pacing ICD lead(s) @50%*	5.53	9.01	9.01	NA	\$150*
Upgrade / Single ICD to Dual ICD with retention of RV lead and insertion of new RA lead, with DFT at time of implant						
33241	Removal of ICD pulse generator @50%*	2.96	NA	5.92	NA	\$99*
33249	Insertion or replacement of ICD system with transvenous lead(s); single or dual chamber	14.55	NA	23.89	NA	\$798
93641-26	EP evaluation of single or dual chamber pacing ICD lead(s) @50%*	5.53	9.01	9.01	NA	\$150*
Replacement / Multiple lead ICD replacement reconnecting existing leads, with DFT at time of implant						
33264	Removal and replacement of defibrillator pulse generator, multiple lead system	6.19	NA	10.64	NA	\$355
93641-26	EP evaluation of single or dual chamber pacing ICD lead(s) @50%*	5.53	9.01	9.01	NA	\$150*

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CPT®/ HCPCS Code	Code Description	Work RVUs	Total Office RVUs	Total Facility RVUs	Office Rate	Facility Rate
Replacement / Dual lead ICD, capping existing RA lead, inserting a new RA lead, with DFT at time of implant						
33241	Removal of defibrillator pulse generator only @50%*	2.96	NA	5.92	NA	\$99*
33249	Insertion of new or replacement implantable defibrillator system; with transvenous lead(s), single or dual chamber	14.55	NA	23.89	NA	\$798
93641-26	EP evaluation of single or dual chamber pacing ICD lead(s) @50%*	5.53	9.01	9.01	NA	\$150*
	NOTE: there is no code for capping a lead					
Upgrade / Single or dual chamber ICD to CRT-D includes capping previous RA/RV leads, placing new RA and/or RV lead, insertion new LV lead, with DFT at time of implant						
33241	Removal of defibrillator pulse generator only @50%*	2.96	NA	5.92	NA	\$99*
33249	Insertion of new or replacement implantable defibrillator system, with transvenous lead(s) single or dual chamber	14.55	NA	23.89	NA	\$798
33225	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing at the time of insertion of pacemaker or ICD pulse generator	8.12	NA	11.81	NA	\$394
93641-26	EP evaluation of single or dual chamber pacing ICD lead(s) @50%*	5.53	9.01	9.01	NA	\$150*
	NOTE: there is no code for capping a lead					
Upgrade / Dual chamber ICD to CRT-D, includes; reconnection of existing RA and RV leads, insertion of new LV lead, with DFT at time of implant						
33264	Removal of implantable defibrillator pulse generator with replacement of pulse generator; multiple lead system	6.19	NA	10.64	NA	\$355
33225	Insertion of pacing electrode, cardiac venous system, for left ventricular pacing at the time of insertion of pacemaker or ICD pulse generator	8.12	NA	11.81	NA	\$394
93641-26	EP evaluation of single or dual chamber pacing ICD lead(s) @50%*	5.53	9.01	9.01	NA	\$150*
Implant / S-ICD system implant, including SICD electrode and DFT at time of implant						
33270	Insertion or replacement of subcutaneous implantable system with subcutaneous electrode and DFT at implant	8.87	NA	14.76	NA	\$493
Replacement / SICD system including placement of new SICD electrode						
33241	Removal of implantable defibrillator pulse generator only @50%*	2.96	NA	5.92	NA	\$99*
33272	Removal of SICD lead @50%*	5.28	NA	9.29	NA	\$155*
33270	Insertion or replacement of subcutaneous implantable system with subcutaneous electrode and DFT at implant	8.87	NA	14.76	NA	\$493
Replacement / Replacement of SICD pulse generator only, reconnecting the existing SICD lead, with DFT at time of implant						
33262	Removal of defibrillator pulse generator with replacement of defibrillator pulse generator; single lead system	5.66	NA	9.86	NA	\$329
93644-26	EP evaluation of SICD, includes DFT, induction of arrhythmia, evaluation of sensing for arrhythmia termination and programming or reprogramming of sensing or therapeutic parameters @50%*	2.96	4.15	4.15	NA	\$69*

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CPT®/ HCPCS Code	Code Description	Work RVUs	Total Office RVUs	Total Facility RVUs	Office Rate	Facility Rate
Replacement / SICD to single or dual chamber ICD, with DFT at time of implant						
33241	Removal of defibrillator pulse generator only @50%*	2.96	NA	5.92	NA	\$99*
33272	Removal of SICD lead @50%*	5.28	NA	9.29	NA	\$155*
33249	Insertion of new or replacement implantable defibrillator system; with transvenous lead(s), single or dual chamber	14.55	NA	23.89	NA	\$798
93641-26	EP evaluation of single or dual chamber pacing ICD leads) @50%*	5.53	9.01	9.01	NA	\$150*
Relocation / Relocation of a skin pocket; defibrillator						
33223	The physician relocates a pacemaker or defibrillator pocket due to infection, erosion, or complications from the original generator placement	6.14	NA	10.90	NA	\$364
Lead Procedures						
Insertion / Insertion of one transvenous pacing electrode						
33216	Insertion of a single transvenous electrode, pacemaker or defibrillator	5.48	NA	9.92	NA	\$331
Insertion / Insertion of two transvenous pacing electrodes						
33217	Insertion of two transvenous electrodes, pacemaker or defibrillator	5.45	NA	9.89	NA	\$330
Removal / Single lead extraction from a single lead pacemaker system						
33234	Removal of transvenous pacemaker electrode; single lead system, atrial or ventricular	7.47	NA	12.85	NA	\$429
Removal / Removal of transvenous pacemaker electrode; dual lead system						
33235	Removal of transvenous pacemaker electrode(s); dual lead system; removal of both existing leads	9.65	NA	17.00	NA	\$568
Repositioning / Repositioning of transvenous pacemaker or defibrillator electrode(s) right atrial or right ventricular						
33215	Repositioning of transvenous pacemaker or defibrillator electrode(s) right atrial or right ventricular	4.80	NA	8.24	NA	\$275
Removal / Removal of single or dual chamber ICD electrodes						
33244	Removal of single or dual chamber ICD electrodes by transvenous extraction	13.40	NA	22.95	NA	\$767
Device Evaluation and Monitoring						
Subcutaneous ICD - In Person						
93260	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; subcutaneous implantable cardioverter-defibrillator system	0.83	2.26	NA	\$75	NA
93260-26	- Professional component only	0.83	1.22	1.22	\$41	\$41
93260-TC	- Technical component only	0	1.04	NA	\$35	NA

*Procedure is subject to the Medicare Physician Multiple Procedure Discounting policy for the second through the fifth highest valued procedures performed during the same operative episode.

CPT®/ HCPCS Code	Code Description	Work RVUs	Total Office RVUs	Total Facility RVUs	Office Rate	Facility Rate
93261	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; subcutaneous implantable cardioverter-defibrillator system , including analysis of heart rhythm derived data elements	0.72	2.09	NA	\$70	NA
93261-26	- Professional component only	0.72	1.06	1.06	\$35	\$35
93261-TC	- Technical component only	0	1.03	NA	\$34	NA
Pacemaker - 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	0.63	2.00	NA	\$67	NA
93279-26	- Professional component only	0.63	0.92	0.92	\$31	\$31
93279-TC	- Technical component only	0	1.08	NA	\$36	NA
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	0.75	2.35	NA	\$78	NA
93280-26	- Professional component only	0.75	1.10	1.10	\$37	\$37
93280-TC	- Technical component only	0	1.25	NA	\$42	NA
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	0.83	2.48	NA	\$83	NA
93281-26	- Professional component only	0.83	1.22	1.22	\$41	\$41
93281-TC	- Technical component only	0	1.26	NA	\$42	NA
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	0.42	1.66	NA	\$55	NA
93288-26	- Professional component only	0.42	0.60	0.60	\$20	\$20
93288-TC	- Technical component only	0	1.06	NA	\$35	NA

CPT®/ HCPCS Code	Code Description	Work RVUs	Total Office RVUs	Total Facility RVUs	Office Rate	Facility Rate
ICD - 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 implantable cardioverter-defibrillator system	0.83	2.35	NA	\$78	NA
93282-26	- Professional component Only	0.83	1.21	1.21	\$40	\$40
93282-TC	- Technical component only	0	1.14	NA	\$39	NA
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 implantable cardioverter-defibrillator system	1.12	2.89	NA	\$97	NA
93283-26	- Professional component Only	1.12	1.63	1.63	\$54	\$54
93283-TC	- Technical component only	0	1.26	NA	\$42	NA
93284	Programming device evaluation with (in person) 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 implantable cardioverter-defibrillator system	1.22	3.12	NA	\$104	NA
93284-26	- Professional component Only	1.22	1.77	1.77	\$59	\$59
93284-TC	- Technical component only	0	1.35	NA	\$45	NA
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 implantable cardioverter-defibrillator system , including analysis of heart rhythm derived data elements	0.73	2.13	NA	\$71	NA
93289-26	- Professional component only	0.73	1.06	1.06	\$35	\$35
93289-TC	- Technical component only	0	1.07	NA	\$36	NA
Pacemaker - Periprocedural In Person						
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	0.29	1.33	NA	\$44	NA
93286-26	- Professional component only	0.29	0.43	0.43	\$14	\$14
93286-TC	- Technical component only	0	0.90	NA	\$30	NA

CPT®/ HCPCS Code	Code Description	Work RVUs	Total Office RVUs	Total Facility RVUs	Office Rate	Facility Rate
ICD - Periprocedural In Person						
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	0.44	1.55	NA	\$52	NA
93287-26	- Professional component only	0.44	0.65	0.65	\$22	\$22
93287-TC	- Technical component only	0	0.90	NA	\$30	NA
Pacemaker or ICD – Remote						
93294	Interrogation device evaluation(s) (remote), up to 90 days; single, dual, or multiple lead pacemaker system with interim analysis, review(s) and report(s) by a physician or other qualified health care professional (professional component only)	0.59	0.88	0.88	\$29	\$29
93295	Interrogation device evaluation(s) (remote), <u>up to 90 days</u> ; single, dual, or multiple lead implantable cardioverter-defibrillator system with interim analysis, review(s) and report(s) by a physician or other qualified health care professional (professional component only)	0.72	1.08	1.08	\$36	\$36
93296	Interrogation device evaluation(s) (remote), <u>up to 90 days</u> ; 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 (technical component only)	0	0.95	NA	\$32	NA
Implantable Cardiovascular Physiologic Monitor – 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	0.42	1.57	NA	\$52	NA
93290-26	- Professional component only	0.42	0.61	0.61	\$20	\$20
93290-TC	- Technical component only	0	0.96	NA	\$32	NA
Implantable Cardiovascular Physiologic Monitor – Remote						
93297	Interrogation device evaluation(s), (remote) up to 30 days; implantable cardiovascular physiologic monitor system, remote data acquisition, receipt of transmissions and technical review, technical support and distribution of results, 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	0.51	1.82	NA	\$61	NA
93297-26	- Professional component only	0.51	0.73	30.7	\$24	\$24
93297-TC	- Technical component only	0	1.09	NA	\$36	NA

Ambulatory Surgery Center Payment – Medicare

Ambulatory surgery center claims must contain the appropriate CPT code(s) to indicate the items and services that are furnished. The table below contains a list of possible CPT codes that may be used to bill for cardiac rhythm procedures. Providers should select the most appropriate code(s) with the highest level of detail to describe the service(s) actually rendered.

All rates shown are 2026 Medicare national averages; actual rates will vary geographically and/or by individual facility.

CPT®/HCPCS Code	Description	Medicare National Average ASC Rate
33206	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial	\$7,284
33207	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); ventricular	\$7,565
33208	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial and ventricular	\$7,739
33212	Insertion of pacemaker pulse generator only; with existing single lead	\$6,655
33213	Insertion of pacemaker pulse generator only; with existing dual leads	\$7,681
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)	\$7,636
33215	Repositioning of previously implanted transvenous pacemaker or implantable defibrillator (right atrial or right ventricular) electrode	\$1,624
33216	Insertion of a single transvenous electrode, permanent pacemaker or implantable defibrillator	\$5,909
33217	Insertion of 2 transvenous electrodes, permanent pacemaker or implantable defibrillator	\$6,499
33218	Repair of single transvenous electrode, permanent pacemaker or implantable defibrillator	\$2,092
33220	Repair of 2 transvenous electrodes for permanent pacemaker or implantable defibrillator	\$2,651
33221	Insertion of pacemaker pulse generator only; with existing multiple leads	\$13,016
33222	Relocation of skin pocket for pacemaker	\$1,129
33223	Relocation of skin pocket for implantable defibrillator	\$1,129
33240	Insertion of implantable defibrillator pulse generator only; with existing single lead	\$18,581
33241	Removal of implantable defibrillator pulse generator only	\$2,092
33249	Insertion or replacement of permanent implantable defibrillator system, with transvenous lead(s), single or dual chamber	\$24,776
33270	Insertion or replacement of permanent subcutaneous implantable defibrillator system, with subcutaneous electrode, including defibrillation threshold evaluation, induction of arrhythmia, evaluation of sensing for arrhythmia termination, and programming or reprogramming of sensing or therapeutic parameters, when performed	\$25,175
33271	Insertion of subcutaneous implantable defibrillator electrode	\$7,822
33272	Removal of subcutaneous implantable defibrillator electrode	\$2,092
33249 + 33225	Insertion or replacement of permanent implantable defibrillator system, with transvenous lead(s), single or dual chamber* Insertion of pacing electrode, cardiac venous system, for left ventricular pacing, at time of insertion of implantable defibrillator or pacemaker pulse generator (eg, for upgrade to dual chamber system) (List separately in addition to code for primary procedure)* *33249 & 33225 performed on the same day is a CRT-D System implant	\$24,776

CPT®/HCPCS Code	Description	Medicare National Average ASC Rate
33227	Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; single lead system	\$6,436
33228	Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; dual lead system	\$7,554
33229	Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; multiple lead system	\$13,528
33233	Removal of permanent pacemaker pulse generator only	\$4,483
33244	Removal of single or dual chamber implantable defibrillator electrode(s); by transvenous extraction	\$2,092
33262	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; single lead system	\$18,921
33263	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; dual lead system	\$18,963
33264	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; multiple lead system	\$24,920
Implant Pacemaker Initial with LV lead placement in the Left Ventricle *These are only used in ASC setting		
C7537	Insertion of a new or replacement pacemaker with atrial transvenous electrode, with insertion of pacing electrode for left ventricular pacing at time of insertion of ICD or pacemaker, (e.g., for upgrade to a dual chamber system)	\$11,054
C7538	Insertion of a new or replacement pacemaker with ventricular transvenous electrode, with insertion of pacing electrode for left ventricular pacing at time of insertion of ICD or pacemaker, (e.g., for upgrade to a dual chamber system)	\$11,334
C7539	Insertion of a new or replacement pacemaker with atrial and ventricular transvenous electrode, with insertion of pacing electrode for left ventricular pacing at time of insertion of ICD or pacemaker, (e.g., for upgrade to a dual chamber system)	\$11,508
C7540	Removal of pacemaker pulse generator with replacement pacemaker pulse generator, dual lead system, with insertion of pacing electrode for left ventricular pacing, at time of insertion of ICD or pacemaker (e.g., for upgrade to dual chamber system)	\$11,323

Hospital Outpatient Payment – Medicare

Hospital outpatient claims must contain the appropriate CPT/HCPCS code(s) to indicate the items and services that are furnished. The table below contains a list of possible CPT/HCPCS codes that may be used to bill for cardiac rhythm system procedures. Providers should select the most appropriate code(s) with the highest level of detail to describe the service(s) actually rendered.

All rates shown are 2026 Medicare national averages; actual rates will vary geographically and/or by individual facility.

CPT®/HCPCS Code	Description	APC	Medicare National Average Outpatient Rate
Level 4 Skin Procedures			
33222	Relocation of skin pocket for pacemaker	5054	\$2,108
33223	Relocation of skin pocket for implantable defibrillator		
Level 1 Excision/ Biopsy/ Incision and Drainage			
33286	Removal, subcutaneous cardiac rhythm monitor	5071	\$723
Level 3 Vascular Procedures			
33215	Repositioning of previously implanted transvenous pacemaker or implantable defibrillator (right atrial or right ventricular) electrode	5183	\$3,226
Level 1 Pacemaker and Similar Procedures			
33218	Repair of single transvenous electrode, permanent pacemaker or implantable defibrillator	5221	\$3,818
33220	Repair of 2 transvenous electrodes for permanent pacemaker or implantable defibrillator		
33234	Removal of transvenous pacemaker electrode(s); single lead system, atrial or ventricular		
33235	Removal of transvenous pacemaker electrode(s); dual lead system		
33241	Removal of implantable defibrillator pulse generator only		
33244	Removal of single or dual chamber implantable defibrillator electrode(s); by transvenous extraction		
33272	Removal of subcutaneous implantable defibrillator electrode		
33273	Repositioning of previously implanted subcutaneous implantable defibrillator electrode		
Level 2 Pacemaker and Similar Procedures			
33212	Insertion of pacemaker pulse generator only; with existing single lead	5222	\$8,455
33216	Insertion of a single transvenous electrode, permanent pacemaker or implantable defibrillator		
33217	Insertion of 2 transvenous electrodes, permanent pacemaker or implantable defibrillator		
33227	Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; single lead system		
33233	Removal of permanent pacemaker pulse generator only		
33271	Insertion of subcutaneous implantable defibrillator electrode		
33285	Insertion, subcutaneous cardiac rhythm monitor, including programming		

Level 3 Pacemaker and Similar Procedures			
33206	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial	5223	\$10,678
33207	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); ventricular		
33208	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial and ventricular		
33213	Insertion of pacemaker pulse generator only; with existing dual leads		
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)		
33228	Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; dual lead system		
Level 4 Pacemaker and Similar Procedures			
33221	Insertion of pacemaker pulse generator only; with existing multiple leads	5224	\$19,679
33229	Removal of permanent pacemaker pulse generator with replacement of pacemaker pulse generator; multiple lead system		
Level 1 ICD and Similar Procedures			
33230	Insertion of implantable defibrillator pulse generator only; with existing dual leads	5231	\$22,725
33240	Insertion of implantable defibrillator pulse generator only; with existing single lead		
33262	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; single lead system		
33263	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; dual lead system		
Level 2 ICD and Similar Procedures			
33231	Insertion of implantable defibrillator pulse generator only; with existing multiple leads	5232	\$32,069
33264	Removal of implantable defibrillator pulse generator with replacement of implantable defibrillator pulse generator; multiple lead system		
33249	Insertion or replacement of permanent implantable defibrillator system, with transvenous lead(s), single or dual chamber		
33270	Insertion or replacement of permanent subcutaneous implantable defibrillator system, with subcutaneous electrode, including defibrillation threshold evaluation, induction of arrhythmia, evaluation of sensing for arrhythmia termination, and programming or reprogramming of sensing or therapeutic parameters, when performed		
Level 1 Minor Procedures			
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; subcutaneous cardiac rhythm monitor system, including heart rhythm derived data analysis	5731	\$30
Level 2 Minor Procedures			
93246	External electrocardiographic recording for more than 7 days up to 15 days by continuous rhythm recording and storage; recording (includes connection and initial recording)	5372	\$712

Level 1 Electronic Analysis of Devices			
93260	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; implantable subcutaneous lead defibrillator system		
93261	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 subcutaneous lead defibrillator system		
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		
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		
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		
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		
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	5741	\$38
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		
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		
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		
93285	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; subcutaneous cardiac rhythm monitor system		
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		

93292	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; wearable defibrillator system		
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		
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		
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		
93298	Interrogation device evaluation(s), (remote) up to 30 days; subcutaneous cardiac rhythm monitor system, including analysis of recorded heart rhythm data, analysis, review(s) and report(s) by a physician or other qualified health care professional		
Level 3 Diagnostic Tests and Related Services			
93229	External mobile cardiovascular telemetry with electrocardiographic recording, concurrent computerized real time data analysis and greater than 24 hours of accessible ECG data storage (retrievable with query) with ECG triggered and patient selected events transmitted to a remote attended surveillance center for up to 30 days; technical support for connection and patient instructions for use, attended surveillance, analysis and transmission of daily and emergent data reports as prescribed by a physician or other qualified health care professional	5723	\$381
Level 2 Minor Procedures			
93242	External electrocardiographic recording for more than 48 hours up to 7 days by continuous rhythm recording and storage; recording (includes connection and initial recording)	5732	\$38
Level 3 Minor Procedures			
93226	External electrocardiographic recording up to 48 hours by continuous rhythm recording and storage; scanning analysis with report	5733	\$60
Level 4 Minor Procedures			
93225	External electrocardiographic recording up to 48 hours by continuous rhythm recording and storage; recording (includes connection, recording, and disconnection)	5734	\$136
93243	External electrocardiographic recording for more than 48 hours up to 7 days by continuous rhythm recording and storage; scanning analysis with report		
93247	External electrocardiographic recording for more than 7 days up to 15 days by continuous rhythm recording and storage; scanning analysis with report		
Level 1 Electronic Analysis of Devices			
93270	External patient and, when performed, auto activated electrocardiographic rhythm derived event recording with symptom-related memory loop with remote download capability up to 30 days, 24-hour attended monitoring; recording (includes connection, recording, and disconnection)	5741	\$38
Level 2 Electronic Analysis of Devices			
93271	External patient and, when performed, auto activated electrocardiographic rhythm derived event recording with symptom-related memory loop with remote download capability up to 30 days, 24-hour attended monitoring; transmission and analysis	5742	\$97

Hospital Inpatient Payment – Medicare

Hospital inpatient claims must contain the appropriate ICD-10-PCS code(s) to indicate the items and services that are furnished. Providers should select the most appropriate code(s) with the highest level of detail to describe the cardiac rhythm service(s) rendered. Please refer to BSC [Rhythm Management Billing and Coding guide](#) for possible ICD-10-PCS codes.

The table below contains a list of MS-DRGS with National Payment rates.. MS-DRG assignment is based on a combination of diagnoses and procedure codes reported. While MS-DRGs listed in this guide represent likely assignments, Boston Scientific cannot guarantee assignment to any one specific MS-DRG.

All rates shown are 2026 Medicare national averages; actual rates will vary geographically and/or by individual facility.

MS-DRG	DRG Description	Medicare National Average IPPS Rate
ICD Systems (transvenous and subcutaneous)		
275	Cardiac Defibrillator Implant With Cardiac Catheterization And MCC	\$51,886
276	Cardiac Defibrillator Implant With MCC or Carotid Sinus Neurostimulator	\$43,709
277	Cardiac Defibrillator Implant Without MCC	\$33,608
ICD Replacements		
245	AICD generator procedures	\$33,199
265	AICD lead procedures	\$26,329
Pacemaker Systems		
242	Permanent cardiac pacemaker implant w MCC	\$23,233
243	Permanent cardiac pacemaker implant w CC	\$15,506
244	Permanent cardiac pacemaker implant w/o CC/MCC	\$13,153
Pacemaker Replacements		
258	Cardiac pacemaker device replacement w MCC	\$22,864
259	Cardiac pacemaker device replacement w/o MCC	\$14,714
Pacemaker Revisions and Insertion of Subcutaneous Cardiac Rhythm Monitor (SCRM) - Syncope		
260	Cardiac pacemaker revision except device replacement w MCC	\$23,670
261	Cardiac pacemaker revision except device replacement w CC	\$13,757
262	Cardiac pacemaker revision except device replacement w/o CC/MCC	\$11,860
Insertion of Subcutaneous Cardiac Rhythm Monitor (SCRM) - Cryptogenic Stroke		
40	Peripheral/Cranial Nerve and Other Nervous System Procedures with MCC	\$28,097
41	Peripheral/Cranial Nerve and Other Nervous System Procedures with CC or Peripheral Neurostimulator	\$15,999
42	Peripheral/Cranial Nerve and Other Nervous System Procedures without CC/MCC	\$12,572

Coding Resources for Rhythm Management:

<http://www.bostonscientific.com/en-US/reimbursement/rhythm-management.html>

Reimbursement Help Desk:

CRM.Reimbursement@bsci.com

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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.

This coding information may include codes for procedures for which Boston Scientific currently offers no cleared or approved products. In those instances, such codes have been included solely in the interest of providing users with comprehensive coding information and are not intended to promote the use of any Boston Scientific products for which they are not cleared or approved. The Health Care Provider (HCP) is solely responsible for selecting the site of service and treatment modalities appropriate for the patient based on medically appropriate needs of that patient and the independent medical judgement of the HCP.

References

1. CMS. CY2026 Physician Fee Schedule, Final Rule. CMS-1832-F.
2. CMS. CY2026 Hospital Outpatient Prospective Payment System, Final Rule: CMS-1834-F, Addenda A, Addenda AA.
3. CMS. FY2026 Hospital Inpatient Prospective Payment System, CMS-1833-Final

Sequestration Disclaimer

Rates referenced in these guides do not reflect Sequestration, automatic reductions in federal spending that will result in a 2% across-the-board reduction to All Medicare rates as of January 1, 2026.

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