

# ABBOTT CODING GUIDE

## ELECTROPHYSIOLOGY

Effective January 1, 2020

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## Introduction

The Electrophysiology Coding Guide is intended to provide reference material related to general guidelines for the reimbursement of the Electrophysiology procedures when used consistently with the products' labeling. This guide includes information regarding coverage, coding and payment.

## 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. This guide and all supporting documents are available at <https://www.cardiovascular.abbott/us/en/hcp/reimbursement/electrophysiology.html>. Coding and reimbursement assistance is provided subject to the disclaimers set forth in this guide.

## Disclaimer

This document and the information contained herein is for general information purposes only and is not intended and does not constitute legal, reimbursement, coding, business or other advice. Furthermore, it is not intended to increase or maximize payment by any payer. Nothing in this document should be construed as a guarantee by Abbott regarding levels of reimbursement, payment or charge, or that reimbursement or other payment will be received. Similarly, nothing in this document should be viewed as instructions for selecting any particular code. The ultimate responsibility for coding and obtaining payment/reimbursement remains with the customer. This includes the responsibility for accuracy and veracity of all coding and claims submitted to third-party payers. Also note that the information presented herein represents only one of many potential scenarios, based on the assumptions, variables and data presented. In addition, the customer should note that laws, regulations, coverage and coding policies are complex and updated frequently. Therefore, the customer should check with their local carriers or intermediaries often and should consult with legal counsel or a financial, coding or reimbursement specialist for any coding, reimbursement or billing questions or related issues. This information is for reference purposes only. It is not provided or authorized for marketing use.

# CODING AND REIMBURSEMENT FOR ELECTROPHYSIOLOGY

## Physician<sup>1</sup>

Electrophysiology studies are invasive diagnostic intracardiac procedures performed to assess patients' cardiac arrhythmias.

Comprehensive Electrophysiology Evaluations include the following:

- Insertion and repositioning of electrode catheters
- Right atrial pacing and recording
- Right ventricular pacing and recording
- His Bundle recording
- Induction or attempted induction of arrhythmia (in most circumstances)

CPT+ CODE	DESCRIPTION	WORK RVU	NATIONAL MEDICARE RATE	
			FACILITY	NON FACILITY
<b>COMPREHENSIVE ELECTROPHYSIOLOGY STUDIES</b>				
93619	Comprehensive electrophysiologic evaluation with right atrial pacing and recording, right ventricular pacing and recording, His bundle recording, including insertion and repositioning of multiple electrode catheters, without induction or attempted induction of arrhythmia	7.06	\$409	\$409
93620	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with right atrial pacing and recording, right ventricular pacing and recording, His bundle recording	11.32	\$655	\$655
93624	Electrophysiologic follow-up study with pacing and recording to test effectiveness of therapy, including induction or attempted induction of arrhythmia	4.55	\$251	\$251
+93621	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with left atrial pacing and recording from coronary sinus or left atrium	2.10	\$123	\$123
+93622	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with left ventricular pacing and recording	3.10	\$180	\$180

(+) = Indicates add-on code. List add-on code separately in addition to code for primary procedure.

The -26 modifier may be applicable for a number of these codes.

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

Effective Dates: January 1, 2020 - December 31, 2020

# CODING AND REIMBURSEMENT FOR ELECTROPHYSIOLOGY

## Physician<sup>1</sup>

Electrophysiology Study (EP) component codes should be used when all elements in a comprehensive code are not performed and/or documented. (List below is not all inclusive.)

CPT <sup>‡</sup> CODE	DESCRIPTION	WORK RVU	NATIONAL MEDICARE RATE	
			FACILITY	NON FACILITY
<b>INDIVIDUAL STUDIES*</b>				
93600	Bundle of His recording	2.12	\$125	\$125
93602	Intra-atrial recording	2.12	\$122	\$122
93603	Right ventricular recording	2.12	\$122	\$122
93610	Intra-atrial pacing	3.02	\$171	\$171
93612	Intraventricular pacing	3.02	\$169	\$169
<b>MAPPING &amp; ADD-ON PROCEDURES (List separately in addition to code for primary procedure.)</b>				
+93609	Intraventricular and/or intra-atrial mapping of tachycardia site(s) with catheter manipulation to record from multiple sites to identify origin of tachycardia	4.99	\$291	\$291
+93613	Intracardiac electrophysiologic 3-dimensional mapping	5.23	\$312	NA
+93623	Programmed stimulation and pacing after intravenous drug infusion	2.85	\$166	\$166

(+) = Indicates add-on code. List add-on code separately in addition to code for primary procedure.

The -26 modifier may be applicable for a number of these codes.

\* Component (e.g., individual study) codes cannot be billed in conjunction with comprehensive EP codes. It is incumbent upon the physician to determine which, if any, modifiers should be used first.

# CODING AND REIMBURSEMENT FOR ELECTROPHYSIOLOGY

## Physician<sup>1</sup>

Catheter Ablation CPT<sup>†</sup> codes include Comprehensive EP studies.

CPT <sup>†</sup> CODE	DESCRIPTION	WORK RVU	NATIONAL MEDICARE RATE	
			FACILITY	NON-FACILITY
<b>CATHETER ABLATION</b>				
93650	Intracardiac catheter ablation of atrioventricular node function, atrioventricular conduction for creation of complete heart block, with or without temporary pacemaker placement	10.24	\$620	NA
93653	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of an arrhythmia with right atrial pacing and recording, right ventricular pacing and recording (when necessary), and His bundle recording (when necessary) with intracardiac catheter ablation of arrhythmogenic focus; with treatment of supraventricular tachycardia by ablation of fast or slow atrioventricular pathway, accessory atrioventricular connection, cavo-tricuspid isthmus or other single atrial focus or source of atrial re-entry	14.75	\$877	NA
93654	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of an arrhythmia with right atrial pacing and recording, right ventricular pacing and recording (when necessary), and His bundle recording (when necessary) with intracardiac catheter ablation of arrhythmogenic focus; with treatment of ventricular tachycardia or focus of ventricular ectopy including intracardiac electrophysiologic 3D mapping, when performed, and left ventricular pacing and recording, when performed	19.75	\$1,174	NA
+93655*	Intracardiac catheter ablation of a discrete mechanism of arrhythmia which is distinct from the primary ablated mechanism, including repeat diagnostic maneuvers, to treat a spontaneous or induced arrhythmia	7.50	\$447	NA
93656	Comprehensive electrophysiologic evaluation including transseptal catheterizations, insertion and repositioning of multiple electrode catheters with induction or attempted induction of an arrhythmia including left or right atrial pacing/recording when necessary, right ventricular pacing/recording when necessary, and His bundle recording when necessary with intracardiac catheter ablation of atrial fibrillation by pulmonary vein isolation	19.77	\$1,177	NA
+93657	Additional linear or focal intracardiac catheter ablation of the left or right atrium for treatment of atrial fibrillation remaining after completion of pulmonary vein isolation	7.50	\$447	NA

(+) = Indicates add-on code. List separately in addition to code for primary procedure.

The -26 modifier may be applicable for a number of these codes.

\* 93655 has a medically unlikely edit (MUE) of 2 units. Ablation codes 93653, 93654, and 93656 do not require a modifier -52.

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

NA: There are no Medicare valuations for these codes as these procedures are not typically performed in an in-office setting. Check with your carrier to determine reimbursement rates.

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# CODING AND REIMBURSEMENT FOR ELECTROPHYSIOLOGY

## Physician<sup>1</sup>

CPT# CODE	DESCRIPTION	WORK RVU	NATIONAL MEDICARE RATE	
			FACILITY	NON-FACILITY
<b>INTRACARDIAC ECHO / TRANSEPTAL ACCESS (ADD-ON SERVICES) List separately in addition to code for primary procedure.</b>				
+93662	Intracardiac echocardiography during therapeutic/diagnostic intervention, including imaging supervision and interpretation	2.80	\$147	\$147
+93462	Left heart catheterization by transeptal puncture through intact septum or by transapical puncture	3.73	\$220	\$220
<b>OTHER PROCEDURES: ESOPHAGEAL RECORDING AND INDUCTION OF ARRHYTHMIA</b>				
93615	Esophageal recording of atrial electrogram with or without ventricular electrogram(s);	0.74	\$39	\$39
93616	Esophageal recording of atrial electrogram with or without ventricular electrogram(s); with pacing	1.24	\$62	\$62
93618	Induction of arrhythmia by electrical pacing	4.00	\$231	\$231

(+) = Indicates add-on code. List separately in addition to code for primary procedure.  
 The -26 modifier may be applicable for a number of these codes.  
 It is incumbent upon the physician to determine which, if any, modifiers should be used first.

# CODING AND REIMBURSEMENT FOR ELECTROPHYSIOLOGY

## Add-On Codes

The following add-on codes can be performed when medically appropriate with the following primary service/procedure code for separate payment. Add-on codes are not subject to the Physician Multiple Payment Reduction Rule. Procedure codes for electrophysiology often times are reported with add-on codes. 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 CODE	ADD-ON CODE CPT <sup>®</sup> CODE DESCRIPTOR (List separately in addition to code for the primary procedure)	CAN BE REPORTED IN CONJUNCTION WITH PRIMARY PROCEDURE CODE
+93609	Intraventricular and/or intra-atrial mapping of tachycardia site(s) with catheter manipulation to record from multiple sites to identify origin of tachycardia	with 93620,93653, or 93656
+93621	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with left atrial pacing and recording from coronary sinus or left atrium	with 93620, 93653, 93654
+93622	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with left ventricular pacing and recording	with 93620, 93653, 93656
+93613	Intracardiac electrophysiologic 3-dimensional mapping	with 93620, 93653, 93656
+93623	Programmed stimulation and pacing after intravenous drug infusion	with 93610, 93612, 93619, 93620, 93653, 93654, 93656
+93655	Intracardiac catheter ablation of a discrete mechanism of arrhythmia which is distinct from the primary ablated mechanism, including repeat diagnostic maneuvers, to treat a spontaneous or induced arrhythmia	with 93653,93654, 93656
+93657	Additional linear or focal intracardiac catheter ablation of the left or right atrium for treatment of atrial fibrillation remaining after completion of pulmonary vein isolation	with 93656
+93462	Left heart catheterization by transseptal puncture through intact septum or by transapical puncture	with 93653, 93654
+93662	Intracardiac echocardiography during therapeutic/diagnostic intervention, including imaging supervision and interpretation	with 93620, 93653, 93654, 93656

# CODING AND REIMBURSEMENT FOR ELECTROPHYSIOLOGY

## Common EP Scenarios

The scenarios presented are examples of commonly performed EP procedures. These representative examples are not meant to be an exhaustive list. Please verify with your coders.

### Scenario 1: Atrial Flutter or Tachycardia Ablation with 3-D Mapping

Completed diagnostic EP study with induction of arrhythmia; atrial ablation, 3-D mapping.

CPT <sup>+</sup> CODE	SHORT DESCRIPTOR*
93653	Comprehensive electrophysiologic evaluation with atrial ablation, SVT
+93613	Intracardiac electrophysiologic 3D mapping

### Scenario 2: Atrial Tachycardia Ablation with 3D mapping and intracardiac echocardiography (ICE)

Completed diagnostic EP study with induction of arrhythmia; atrial ablation, 3D mapping, and ICE

CPT <sup>+</sup> CODE	SHORT DESCRIPTOR*
93653	Comprehensive electrophysiologic evaluation with atrial ablation, SVT
+93613	Intracardiac electrophysiologic 3D mapping
+93662	Intracardiac echocardiography (ICE)

### Scenario 3: Ventricular Tachycardia Ablation with 3D mapping and ICE

Completed diagnostic EP study with induction of arrhythmia; ventricular ablation, 3D mapping, and ICE

CPT <sup>+</sup> CODE	SHORT DESCRIPTOR*
93654	Comprehensive electrophysiologic study (EPS) + 3D mapping with ventricular ablation
+93662	Intracardiac echocardiography (ICE)

\*Please refer to the physician coding for the complete CPT<sup>+</sup> code description.



# CODING AND REIMBURSEMENT FOR ELECTROPHYSIOLOGY

## Common EP Scenarios

### Scenario 4: Pulmonary vein isolation (PVI) Ablation with 3D mapping with ablation of additional targets

Completed diagnostic EP study with induction of arrhythmia, left atrial pacing & recording; transseptal puncture; with left PVI ablation, 3D mapping and Ablation of additional targets for treatment of refractory and paroxysmal Afib

CPT <sup>+</sup> CODE	SHORT DESCRIPTOR*
93656	Comprehensive electrophysiologic study (EPS) with PVI for Afib includes transseptal access, left atrial pacing & recording
+93613	Intracardiac electrophysiologic 3D mapping
+93657	Ablate additional RT or LT atrial site for Afib

### Scenario 5: Pulmonary vein isolation (PVI) Ablation with 3D mapping and ICE

Completed diagnostic EP study with induction of arrhythmia, left atrial pacing & recording; transseptal puncture; with left PVI ablation, 3D mapping, and ICE

CPT <sup>+</sup> CODE	SHORT DESCRIPTOR*
93656	Comprehensive electrophysiologic study (EPS) with PVI for Afib includes transseptal access, left atrial pacing & recording
+93613	Intracardiac electrophysiologic 3D mapping
+93662	Intracardiac echocardiography (ICE)

(+) = Indicates add-on code. List separately in addition to code for primary procedure.  
 \*Please refer to the physician coding for the complete CPT<sup>+</sup> code description.

# CODING AND REIMBURSEMENT FOR ELECTROPHYSIOLOGY

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

CMS implemented the comprehensive ambulatory payment category (C-APC) policy with the goal of identifying high-cost, device-related services as the primary service on the claim. All other services reported on the same date will be considered “adjunctive, supportive, related or dependent services” provided to support the delivery of the primary service and will be packaged into the OPPTS C-APC payment of the primary service with minor exceptions (e.g., C-APC complexity adjustments).

To recognize more costly, complex cases where multiple C-APC procedures are performed during the same surgical session, CMS finalized a new C-APC “complexity adjustment” policy. To qualify, claims with certain code combinations must meet specific thresholds for both Cost and Frequency. If these thresholds are met, the code combinations qualify for reassignment to the next highest C-APC in the clinical group and potentially higher payment. In EP studies, some code combinations may qualify for a C-APC clinical complexity adjustment.

CPT <sup>†</sup> CODE	DESCRIPTION	STATUS INDICATOR	C-APC	APC DESCRIPTION	NATIONAL MEDICARE RATE
<b>COMPREHENSIVE ELECTROPHYSIOLOGY STUDIES</b>					
93619	Comprehensive electrophysiologic evaluation with right atrial pacing and recording, right ventricular pacing and recording, His bundle recording, including insertion and repositioning of multiple electrode catheters, without induction or attempted induction of arrhythmia				
93620*	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with right atrial pacing and recording, right ventricular pacing and recording, His bundle recording	J1	5212	Level 2 EP Procedures	\$5,885
93624	Electrophysiologic follow-up study with pacing and recording to test effectiveness of therapy, including induction or attempted induction of arrhythmia				
+93621	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with left atrial pacing and recording from coronary sinus or left atrium	N	Packaged	Packaged	Packaged
+93622	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with left ventricular pacing and recording				

\*CPT<sup>†</sup> code 93620 when combined with CPT<sup>†</sup> code 93613 will qualify for a complexity adjusted APC assignment to C-APC 5213.

\*CPT<sup>†</sup> code 93620 when combined with CPT<sup>†</sup> code 93650 will be assigned to a complexity adjusted APC assignment to C-APC 5213. Please refer to Addendum J of the CY2019 Final OPPTS Rule for the complete listing of complexity adjustment combinations

J1 = Hospital Part B services paid through a comprehensive APC

N = Items and services packaged into APC rates

(+) = Indicates add-on codes. List separately in addition to code for primary procedure

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# CODING AND REIMBURSEMENT FOR ELECTROPHYSIOLOGY

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

CPT# CODE	DESCRIPTION	STATUS INDICATOR	C-APC	APC DESCRIPTION	NATIONAL MEDICARE RATE
<b>INDIVIDUAL STUDIES</b>					
93600	Bundle of His recording	J1	5212	Level 2 EP Procedures	\$5,885
93602	Intra-atrial recording				
93603	Right ventricular recording	J1	5211	Level 1 EP Procedures	\$988
93610	Intra-atrial pacing	J1	5212	Level 2 EP Procedures	\$5,885
93612	Intraventricular pacing				
<b>MAPPING &amp; ADD-ON PROCEDURES</b>					
+93609	Intraventricular and/or intra-atrial mapping of tachycardia site(s) with catheter manipulation to record from multiple sites to identify origin of tachycardia				
+93613	Intracardiac electrophysiologic 3-dimensional mapping	N	Packaged	Packaged	Packaged
+93623	Programmed stimulation and pacing after intravenous drug infusion				

J1 = Hospital Part B services paid through a comprehensive APC

N = Items and services packaged into APC rates

(+) = Indicates add-on code. List separately in addition to code for primary procedure.

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# CODING AND REIMBURSEMENT FOR ELECTROPHYSIOLOGY

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

CPT# CODE	DESCRIPTION	STATUS INDICATOR	C-APC	APC DESCRIPTION	NATIONAL MEDICARE RATE
<b>CATHETER ABLATION</b>					
93650	Intracardiac catheter ablation of atrioventricular node function, atrioventricular conduction for creation of complete heart block, with or without temporary pacemaker placement	J1	5212	Level 2 EP Procedures	\$5,885
93653	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of an arrhythmia with right atrial pacing and recording, right ventricular pacing and recording (when necessary), and His bundle recording (when necessary) with intracardiac catheter ablation of arrhythmogenic focus; with treatment of supraventricular tachycardia by ablation of fast or slow atrioventricular pathway, accessory atrioventricular connection, cavo-tricuspid isthmus or other single atrial focus or source of atrial re-entry	J1	5213	Level 3 EP Procedures	\$20,433
93654	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of an arrhythmia with right atrial pacing and recording, right ventricular pacing and recording (when necessary), and His bundle recording (when necessary) with intracardiac catheter ablation of arrhythmogenic focus; with treatment of ventricular tachycardia or focus of ventricular ectopy including intracardiac electrophysiologic 3D mapping, when performed, and left ventricular pacing and recording, when performed				
+93655	Intracardiac catheter ablation of a discrete mechanism of arrhythmia which is distinct from the primary ablated mechanism, including repeat diagnostic maneuvers, to treat a spontaneous or induced arrhythmia	N	Packaged	Packaged	Packaged

J1 = Hospital Part B services paid through a comprehensive APC

N = Items and services packaged into APC rates

(+) = Indicates add-on code. List separately in addition to code for primary procedure.

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# CODING AND REIMBURSEMENT FOR ELECTROPHYSIOLOGY

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

CPT# CODE	DESCRIPTION	STATUS INDICATOR	C-APC	APC DESCRIPTION	NATIONAL MEDICARE RATE
<b>CATHETER ABLATION</b>					
93656	Comprehensive electrophysiologic evaluation including transeptal catheterizations, insertion and repositioning of multiple electrode catheters with induction or attempted induction of an arrhythmia including left or right atrial pacing/recording when necessary, right ventricular pacing/recording when necessary, and His bundle recording when necessary with intracardiac catheter ablation of atrial fibrillation by pulmonary vein isolation	J1	5213	Level 3 EP Procedures	\$20,433
+93657	Additional linear or focal intracardiac catheter ablation of the left or right atrium for treatment of atrial fibrillation remaining after completion of pulmonary vein isolation	N	Packaged	Packaged	Packaged
<b>INTRACARDIAC ECHO / TRANSEPTAL ACCESS (ADD-ON SERVICES)</b>					
+93462	Left heart catheterization by transeptal puncture through intact septum or by transapical puncture	N	Packaged	Packaged	Packaged
+93662	Intracardiac echocardiography during therapeutic/diagnostic intervention, including imaging supervision and interpretation	N	Packaged	Packaged	Packaged
<b>ESOPHAGEAL RECORDING AND INDUCTION OF ARRHYTHMIA</b>					
93615	Esophageal recording of atrial electrogram with or without ventricular electrogram(s);				
93616	Esophageal recording of atrial electrogram with or without ventricular electrogram(s); with pacing	J1	5211	Level 1 EP Procedures	\$988
93618	Induction of arrhythmia by electrical pacing				

J1 = Hospital Part B services paid through a comprehensive APC

N = Items and services packaged into APC rates

+ = Indicates add-on code. List separately in addition to code for primary procedure.

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# CODING AND REIMBURSEMENT FOR ELECTROPHYSIOLOGY

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

ICD-10 PCS CODE	DESCRIPTION	TYPICAL MS-DRG ASSIGNMENT	NATIONAL MEDICARE RATE
<b>ELECTROPHYSIOLOGY</b>			
4A023FZ	Measurement of cardiac rhythm, percutaneous approach	273 with MCC	\$23,223
4A0234Z	Measurement of cardiac electrical activity, percutaneous approach		
02K83ZZ	Map conduction mechanism, percutaneous approach		
02563ZZ	Destruction of right atrium, percutaneous approach	274 without MCC	\$19,777
02573ZZ	Destruction of left atrium, percutaneous approach		
02583ZZ	Destruction of conduction mechanism, percutaneous approach		
<b>INTRACARDIAC ECHOCARDIOGRAPHY</b>			
B244YZZ	Ultrasonography of right heart using other contrast	Does not impact MS-DRG assignment	NA
B244ZZZ	Ultrasonography of right heart		
B245YZZ	Ultrasonography of left heart using other contrast		
B245ZZZ	Ultrasonography of left heart		
B246YZZ	Ultrasonography of right and left heart using other contrast		
B246ZZZ	Ultrasonography of right and left heart		

## ELECTROPHYSIOLOGY HCPCS DEVICE CATEGORY C-CODES

C-CODE	DEVICE	MODEL
<b>CATHETER, ELECTROPHYSIOLOGY, DIAGNOSTIC, OTHER THAN 3D MAPPING (19 OR FEWER ELECTRODES)</b>		
	Livewire™ Cannulator	401786, D402058
	Reflexion™ Bi-Directional Decapolar	402800
	Inquiry™ Bi-Directional Decapolar Catheter	81503, 81504, 81101, 81102, 81104, 81105, 81107, 81108, 81520, 81524, 81945, 81947
	Inquiry™ 4 Fr. Fixed Catheters	IBI-80043, IBI-80063, IBI-80064, IBI-80130, IBI- 80131, IBI-80132, IBI-80133, IBI-80134, IBI-80135, IBI-80137, IBI-80138, IBI-80409, IBI-80412, IBI- 80413, IBI-80440, IBI-80452, IBI-80464, IBI-80465, IBI-80466, IBI-80467, IBI-80468, IBI-80469, IBI- 80485, IBI-80515, IBI-80535, IBI-80536, IBI-80567, IBI-80571, IBI-80804, IBI-81531, IBI-81532, IBI-81534, IBI-81537, IBI-81587, IBI-81594, IBI-81595
	Inquiry™ 5 Fr. Fixed Catheters	80051, 80052, 80053, 80054, 80055, IBI-80063, IBI- 80064, 80065, 80451, IBI-80452, 80453, 80454, 80455, 80456, 80458, 80459, 80463, 80556, 80559
	Inquiry™ 6 Fr. Fixed Catheters	80001, 80002, 80003, 80008, 80010, 80017, 80116, 80404, 80405, 80406, 80407, 80408, IBI-80409, 80410, 80411, IBI-80412, IBI-80413, 80414, 80415, 80501, 80508, 80601, 80602, 80603, 80604, 80606, 80630, 80801, 80802, 80803, IBI-80804, 80805, 80806, 80810
C1730	Livewire™	401938, 401939, 401940, 401941, 401990, 401991, 401600, 401603, 401572, 401606, 401933, 401934, 401917, 401949, 401575, 401915, 401923, 401926, 401576, 401577, 401578, 401579, 401583, 401584, 401585, 401586, 401587, 401588, 401580, 401581, 401582, 401653, 401654, 401652, 401782, 401783, 401784, 401785, 401915, 401934, 401935
	Response™	401206, 401207, 401221, 401222, 401223, 401224, 401328, 401359, 401360, 401362, 401366, 401317, 401318, 401374, 401375, 401376, 401209, 401210, 401354, 401211, 401355, 401212, 401325, 401225, 401226, 401356, 401227, 401357, 401228, 401329, 401259, 401260, 401261, 401262, 401154, 401155, 401156, 401158, 401397, 401271, 401272, 401273, 401274, 401275, 401276, 401277, 401278, 401279, 401281, 401282, 401283, 401284, 401285, 401287, 401288, 401290, 401291, 401293, 401294, 401296, 401297, 401298, 401299, 401300, 401301, 401305, 401306, 401307, 401308, 401309, 401310, 401311, 401312, 401313, 401379, 401385, 401386, 401387, 401380, 401388, 401389, 401390, 401381, 401353, 401392, 401393, 401399, 401400, 401132, 401130, 401133, 401137, 401134, 401135, 401138, 401136

## ELECTROPHYSIOLOGY HCPCS DEVICE CATEGORY C-CODES

C-CODE	DEVICE	MODEL
<b>CATHETER, ELECTROPHYSIOLOGY, DIAGNOSTIC, OTHER THAN 3D MAPPING (19 OR FEWER ELECTRODES)</b>		
C1730	Inquiry™ Soft Tip Fixed Catheters	80139, 80470, 80473, 80476, 80478, 80479, 80484, 80516, 80517, 80518, 80519, 80520, 80533, 80534, 80537, 80544, 80627
	Inquiry™ 4 Fr. Steerable Catheters	81540, 81541, 81542, 81545, 81530, IBI-81531, IBI-81532, IBI-81534, 81535, 81536, IBI-81537, 81543
	Inquiry™ 5 Fr. Steerable Catheters	81171, 81172, 81174, 81176, 81177, 81178, 81179, 81223, 81224, 81229, 81471, 81472, 81473, 81474, 81475, 81478, 81479, 81871, 81872, 81873, 81874, 81877, 81879, 81886, 81890
	Supreme™	401957, 401433, 401435, 401441, 401443, 401444, 401466, 401448, 401450, 401468, 401871, 401859, 401995, 401954, 401872, 401878, 401863, 401864, 401865, 401956, 401434, 401436, 401438, 401440, 401442, 401474, 401430, 401475, 401445, 401449, 401451, 401453, 401950, 401951, 401952, 401953, 401873, 401876, 401877, 401874, 401879, 401887, 401888, 401889, 401890, 401891, 401892, 401893, 401894, 401896, 401897, 401898, 401966, 401967, 401968, 401978, 401979, 401993, 401994, 401995, 401996, 401998, 401999, 402004, 402008, 402009, 402010, 402011, 402012, 402013, 401955, 401860
	Inquiry™ 6 Fr. Steerable Catheters	81101, 81102, 81104, 81105, 81106, 81107, 81108, 81109, 81231, 81401, 81402, 81403, 81404, 81405, 81406, 81407, 81412, 81414, 81415, 81416, 81417, 81418, 81420, 81462, 81511, 81516, 81520, 81524, 81601, 81602, 81603, 81604, 81605, 81801, 81802, 81803, 81807, 81809, 81810, 81813
	Inquiry™ Soft Tip Steerable Catheters	81203, 81483, 81521, 81703, 81704, 81705, 81706, 81721, 81730, 81731, 81732, 81733, 81734, 81735, 81736, 81737, 81738, 81742, 81743, 81745, 81747, 81750, 81751, 81757, 81758, 81823, 81940, 81943, 81945, 81946, 81947, 81951, 81954, 81956, 81958, 81516
	Inquiry™ HIS Fixed and Steerable	IBI-80440, IBI-80515, 80567, 80820, 80847, 81169, 81483, 81484, 81485, 81711
	Inquiry™ Luma Catheter, Fixed and Steerable	80901, 80902, 81910, 81911, 81912, 81913, 81914, 81915, 81917, 81918, 81920, 81921, 81922, 81937, 81938, 81939, 81960, 81961
	Inquiry™ AFocus™	81591, IBI-81594, IBI-81595, 81596, 81670, 81671, 81672, 81673, 81674, 81676, 81680, 81589, 81597, 81599
	Inquiry™ Optima™	81687, 81767



## ELECTROPHYSIOLOGY HCPCS DEVICE CATEGORY C-CODES

C-CODE	DEVICE	MODEL
<b>CATHETER, ELECTROPHYSIOLOGY, DIAGNOSTIC, OTHER THAN 3D MAPPING (19 OR FEWER ELECTRODES) CONT'D</b>		
C1730	Advisor™ FL Sensor Enabled™ Uni-Directional Circular Mapping Catheter, 15mm Curve	D-AVSE-D10-F15
	Advisor™ FL Sensor Enabled™ Uni-Directional Circular Mapping Catheter, 20mm Curve D	D-AVSE-D10-F20
	Advisor™ FL Sensor Enabled™ Bi-Directional Circular Mapping Catheter, 15mm Curve DF	D-AVSE-DF10-F15
	Advisor™ FL Sensor Enabled™ Bi-Directional Circular Mapping Catheter, 20mm Curve DF	D-AVSE-DF10-F20
	Advisor™ HD Grid Mapping Catheter, Sensor Enabled™ Bi-D High Density Mapping Catheter.	D-AVHD-DF16
<b>CATHETER, ELECTROPHYSIOLOGY, DIAGNOSTIC, OTHER THAN 3D MAPPING (20 OR MORE ELECTRODES)</b>		
C1731	Reflexion™ Spiral Variable Radius Mapping Catheter	402804, D402893, D402865
	Reflexion™ HD Mapping Catheter	D402864
	Inquiry™ H Curve Catheters	81120, 81124, 81128, 81130, 81131, 81134, 81136, 81150, 81121
	Inquiry™ AFocus™	IBI-81587, 81598, 87008, D087022, D087023, D087024
	Inquiry Optima™	81659, 81683, 87015, 81664
	Inquiry Optima™ PLUS	81717
	Inquiry™ Ten Ten™	81202, 81207, 81209, 81901
	EnSite™ Array™ Catheter	EC1000
	Livewire™ Steerable, Duo-Decapolar	401904, 401905, 401914, 401908, 401918, 401932
Inquiry™ H-Curve Catheters	81125, 81110, 81112, 81126, 81129, 81142	

## ELECTROPHYSIOLOGY HCPCS DEVICE CATEGORY C-CODES

C-CODE	DEVICE	MODEL
<b>CATHETER, ELECTROPHYSIOLOGY, DIAGNOSTIC/ABLATION, OTHER THAN 3-D OR VECTOR MAPPING, OTHER THAN COOL TIP</b>		
C1733	Livewire™ TC	402153, 402154, 402155, 402156, 402149, 402150, 402151, 402152, 402205, 402206, 402207, 402208, 402271, 402273, 402274
	Safire™, Safire™ TX	402806, 402807, 402808, 402809, 402810, 402811, 402812, 402813, 402814, 402815, 402816, 402817, 402838, 402839, 402840, 402841, 402842, 402843
	Therapy™ Dual-8™	83370, 83371, 83372, 83373, 83374, 83375
	Therapy™ 8 mm Tip	83441, 83442, 83444, 83445, 83446
	Therapy™ Bi-Directional 4 mm Tip	83719, 83720, 83721
	Therapy™ 4 mm Tip	83364, 83365, 83366, 83367, 83368, 83369, 83724, 83725, 83726, 83727
<b>CATHETER, ELECTROPHYSIOLOGY, DIAGNOSTIC/ABLATION, OTHER THAN 3-D OR VECTOR MAPPING, COOL TIP</b>		
C2630	Safire™ Duo Ablation Catheter MediGuide Enabled™ Irrigated 4 mm Tip Thermocouple Quadripolar	A700237 1304-CP2S-8-25-MS-BD-ME 7 F 2-5-2 4 Medium Sweep 110 A700238 1304-CP2S-8-25-MC-BD-ME 7 F 2-5-2 4 Medium Curl 110 A700239 1304-CP2S-8-25-LS-BD-ME 7 F 2-5-2 4 Large Sweep 110 A700240
	Cool Path™ Duo Ablation Catheter MediGuide Enabled™ Irrigated 4 mm Tip Thermocouple Quadripolar 7 F	A700241 1304-CP2-8-25-MS-BD-ME 7 F 2-5-2 4 Medium Sweep 110 A700242 1304-CP2-8-25-MC-BD-ME 7 F 2-5-2 4 Medium Curl 110 A700243 1304-CP2-8-25-LS-BD-ME 7 F 2-5-2 4 Large Sweep 110 A700244
	FlexAbility™	A701124, A701125, A701127, A701128, A701129, A701157, A701158, A701159
	FlexAbility Sensor Enabled™ Bi-Directional Irrigated Ablation Catheter, DD Curve	A-FASE-DD

## ELECTROPHYSIOLOGY HCPCS DEVICE CATEGORY C-CODES

C-CODE	DEVICE	MODEL
<b>CATHETER, ELECTROPHYSIOLOGY, DIAGNOSTIC/ABLATION, OTHER THAN 3-D OR VECTOR MAPPING, COOL TIP CONT'D</b>		
C2630	FlexAbility Sensor Enabled™ Bi-Directional Irrigated Ablation Catheter, DF Curve	A-FASE-DF
	FlexAbility Sensor Enabled™ Bi-Directional Irrigated Ablation Catheter, FF Curve	A-FASE-FF
	FlexAbility Sensor Enabled™ Bi-Directional Irrigated Ablation Catheter, FJ Curve	A-FASE-FJ
	FlexAbility Sensor Enabled™ Bi-Directional Irrigated Ablation Catheter, JJ Curve	A-FASE-JJ
	FlexAbility Sensor Enabled™ Uni-Directional Irrigated Ablation Catheter, D Curve	A-FASE-D
	FlexAbility Sensor Enabled™ Uni-Directional Irrigated Ablation Catheter, F Curve	A-FASE-F
	FlexAbility Sensor Enabled™ Uni-Directional Irrigated Ablation Catheter, J Curve	A-FASE-J
	Safire™ BLU™	A402869, A402871, A402870, A402872
	Safire™ BLU™ Duo	A088106, A088108, A088107, A088109
	TactiCath™ Quartz	PN-004 075, PN-004 065
	TactiCath™ SE	A-TCSE-DD, A-TCSE-DF, A-TCSE-FF, A-TCSE-FJ, A-TCSE-JJ, A-TCSE-D, A-TCSE-F, A-TCSE-J
Therapy™ Cool Path™	A088046, A088047, A088048, A088049, 83326, 83327, 83328, 83329, 84308, 84309, 84310, 84311, 84312	
<b>CATHETER, INTRACARDIAC ECHOCARDIOGRAPHY</b>		
C1759	ViewFlex™ XTRA	D087031
	ViewFlex™ PLUS	100043720

# CODING AND REIMBURSEMENT FOR ELECTROPHYSIOLOGY

## ICD-10-CM Diagnosis Codes<sup>5</sup>

Diagnosis codes are used by both hospitals and physicians to document the medical necessity and clinical rationale for the procedure. For Electrophysiology patients, there are many possible diagnosis code scenarios and a wide variety of possible combinations. This list is not exhaustive of all the diagnosis codes supporting EP procedures and is meant to serve as an example for your review. 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.

ICM-10-CM	DESCRIPTION
<b>CARDIAC DYSRHYTHMIAS</b>	
I47.0	Re-entry ventricular arrhythmia
I47.1	Supraventricular tachycardia (AVNRT, atrial, AV, junctional, nodal)
I47.2	Ventricular tachycardia
I47.9	Paroxysmal tachycardia, unspecified (Bouveret [-Hoffman] syndrome)
I48.0	Paroxysmal atrial fibrillation
I48.1	Persistent atrial fibrillation
I48.2	Chronic atrial fibrillation (permanent Afib)
I48.91	Unspecified atrial fibrillation
I48.3	Typical atrial flutter (Type I atrial flutter)
I48.4	Atypical atrial flutter (Type II atrial flutter)
I48.92	Unspecified atrial flutter
I49.01	Ventricular fibrillation

# CODING AND REIMBURSEMENT FOR ELECTROPHYSIOLOGY

## ICD-10-CM Diagnosis Codes<sup>5</sup> continued

ICM-10-CM	DESCRIPTION
<b>CARDIAC DYSRHYTHMIAS</b>	
I49.02	Ventricular flutter
I49.1	Atrial premature depolarization (atrial premature beats)
I49.2	Junctional premature depolarization
I49.3	Ventricular premature depolarization
I49.40	Unspecified premature depolarization (premature beats NOS)
I49.49	Other premature depolarization (ectopic, extrasystole beats)
I49.5	Sick sinus syndrome (tachy-brady syndrome)
I49.8	Other specified cardiac arrhythmias (ectopic, nodal rhythm disorder)
I49.9	Cardiac arrhythmia, unspecified
<b>ABNORMALITIES OF HEART BEAT (SYMPTOMS)</b>	
R00.0	Tachycardia, unspecified (sinoauricular tachy NOS, sinus tachy NOS)
R00.1	Bradycardia, unspecified (sinus bradycardia, vagal bradycardia)
R00.2	Palpitations
R00.8	Other abnormalities of heart beat
R00.9	Unspecified abnormalities of heart beat

## References

1. Physician Prospective Payment-Final rule with Comment Period and Final CY2020 Payment Rates. CMS-1715-F: <https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/PhysicianFeeSched/PFS-Federal-Regulation-Notices-Items/CMS-1715-F.html?DLPage=1&DLEntries=10&DLSort=2&DLSortDir=descending>
2. Hospital Outpatient Prospective Payment-Final Rule with Comment Period and Final CY2020 Payment Rates. CMS-1717-FC: <https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/HospitalOutpatientPPS/Hospital-Outpatient-Regulations-and-Notices-Items/CMS-1717-FC.html?DLPage=1&DLEntries=10&DLSort=2&DLSortDir=descending>
3. Hospital Inpatient Prospective Payment-FY 2020 Final Rule and Correction Notice Data Files CMS-1716-F: <https://www.cms.gov/Medicare/Medicare-Fee-for-Service-Payment/AcuteInpatientPPS/FY2020-IPPS-Final-Rule-Home-Page-Items/FY2020-IPPS-Final-Rule-Data-Files.html?DLPage=1&DLEntries=10&DLSort=0&DLSortDir=ascending>
4. CMS, 2019 Alpha-Numeric Index HCPCS code set: <https://www.cms.gov/Medicare/Coding/HCPCSReleaseCodeSets/Alpha-Numeric-HCPCS-Items/2019-Alpha-Numeric-HCPCS-File.html?DLPage=1&DLEntries=10&DLSort=0&DLSortDir=descending>
5. American Medical Association, *2020 ICD-10-CM: The Complete Official Codebook*. Edition 1; 2020.
6. <https://www.abbott.com/product-list.html>

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