Medtronic

Reimbursement guide

Cardiac catheter ablation and electrophysiology procedures

Hospital & physician coding, coverage, and payment

Overview

2024 updates

Coverage

Coding

Payment







Hospital & physician reimbursement guide

Cardiac catheter ablation and electrophysiology procedures

This guide has been developed to help you understand coverage, coding, and Medicare payment for cardiac catheter ablation and electrophysiology procedures.

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2024 updates

Coverage

Overview

Coding

Payment







Table of contents

<u>Overview</u>	4	
2024 updates	5	Overview
<u>Coverage</u>	11	
Traditional Medicare coverage	11	
Medicare Advantage coverage	11	2024 updates
Non-Medicare payer coverage	12	
Best practices for documentation to substantiate coverage	12	_
Coding	13	Coverage
• CPT® codes	14	
ICD-10-PCS (procedure codes)	28	Coding
ICD-10-CM (diagnosis codes)	30	Coung
MS-DRG codes	33	
<u>Payment</u>	34	Payment
Physician payment	34	,
Hospital outpatient payment	38	
Hospital inpatient payment	42	FAQ & Resources
Frequently asked questions and resources	43	Resources
		$\alpha \wedge \alpha$







Overview

Cardiac catheter ablation procedures

The scope of this document is coding, coverage, and Medicare payment for cardiac catheter ablation and electrophysiology procedures including:

- Transseptal puncture
- ✓ Intracardiac echocardiography (ICE)
- Mapping
- Omprehensive diagnostic electrophysiologic studies (EPS) and components

Overview

2024 updates

Coverage

Coding

Payment







Introduction of irreversible electroporation in cardiac catheter ablation

Pulsed Field Ablation (PFA)

Irreversible electroporation (IRE) in cardiac catheter ablation, also known as PFA, is a new form of treatment for atrial fibrillation (AF) that delivers rapid electrical pulses leading to cell death. PFA is used to achieve pulmonary vein isolation through a catheter. IRE is an alternative treatment modality to existing thermal technologies, radiofrequency and cryoablation.

Reimbursement for PFA

- Existing reimbursement applies to cardiac catheter ablation procedures that utilize a PFA system.[‡]
- Medicare does not have any national or local policies for cardiac catheter ablation procedures, coverage is dependent on documented medical necessity. Private payer coverage varies by plan.
- Pulmonary vein isolation (PVI) AF ablations are classified by CPT® code 93656¹ for outpatient hospital and physician coding. Currently, all cardiac catheter ablations in the inpatient setting are reported with ICD-10-PCS code 02583ZZ.²
- A new ICD-10-PCS code, 02583ZF³, has been created to specify irreversible electroporation in cardiac ablation from other ablation modalities. The new ICD-10-PCS code for PFA is effective starting April 01, 2024. Providers should continue to use the current code, ICD-10-PCS code 02583ZZ², to report any and all cardiac catheter ablations in the inpatient setting until the new code is effective.
- Payment rates for cardiac catheter ablation procedures are established and not differentiated by the energy source being used during the procedure.

2024 updates Coverage Coding Payment FAQ & Resources

Overview







ICD-10-PCS inpatient procedure coding changes for cardiac catheter ablation

Change

A new ICD-10-PCS code, 02583ZF³, has been created to specify irreversible electroporation (IRE), also known as pulsed field ablation (PFA), in cardiac catheter ablation from other ablation modalities in the inpatient setting. The new ICD-10-PCS code for IRE in cardiac ablation is effective for inpatient discharges on or after April 01, 2024.

Impact

Providers should continue to use the current code, 02583ZZ², to report any and all cardiac catheter ablations in the inpatient setting until the new code is effective. Once effective, the new ICD-10-PCS code for IRE in cardiac ablation should only be reported for procedures that utilize an IRE/PFA technology.

Procedures that utilize radiofrequency or cryoablation technologies should continue to be reported with ICD-10-PCS 02583ZZ.

For inpatient discharges from January 1, 2024 - March 31, 2024

ICD-10 procedure code ²	Description
Percutaneous cardia	ac catheter ablation procedures

02583ZZ Destruction of conduction mechanism, percutaneous approach

For inpatient discharges on or after April 1, 2024

Tor inpution as	Tot inputient discharges on of after April 1, 2024			
ICD-10 procedure code ^{2,3}	Description			
Percutaneous cardia	ac catheter ablation procedures			
02583ZZ	Destruction of conduction mechanism, percutaneous approach			
02583ZF	Destruction of conduction mechanism using irreversible electroporation, percutaneous approach			



Learn more about the new ICD-10-PCS code for irreversible electroporation in cardiac catheter ablation, <u>Coding corner: CY2024 cardiac catheter ablation coding update.</u>

Overview

2024 updates

Coverage

Coding

Payment







Procedure coding for cardiac catheter ablation procedures

There are no changes to the primary procedure codes for cardiac catheter ablation procedures in 2024.

The descriptions of the primary procedure codes for SVT, VT and PVI cardiac catheter ablations continue to include mapping, intracardiac echocardiogram (ICE), and left atrial (LA) pacing.

1	Procedure	2021 Procedure Coding ⁴	Current Procedure Coding ¹
	Primary ablation	93653	
SVT	3D mapping	+93613	93653
	LA Pacing	+93621-26	
	Primary ablation	93654	
5	3D mapping	3D mapping was bundled with VT prior to 2022	93654
	LA pacing	+93621-26	
	Primary ablation	93656	
M	3D mapping	+93613-26	93656
	ICE	+93662-26	

Overview

2024 updates

Coverage

Coding

Payment







Medicare physician fee schedule rate changes

Change

Impact

The Centers for Medicare and Medicaid Services (CMS) finalized the 2024 physician fee schedule which is effective January 1, 2024.

These changes impact physician work relative value units (RVU's) and payment rates for cardiac catheter ablation procedures.

Procedure	Current Procedure Coding ¹	2023 work RVU ⁵	2023 National Unadjusted* Physician Rate ⁶	2024 work RVU ⁷	2024 National Unadjusted* Physician Rate ⁸
SVT	93653 includes 3D mapping, LA pacing	15.00	\$837	15.00	\$799
VT	93654 includes 3D mapping, LA pacing	18.10	\$1,009	18.10	\$963
PVI	93656 includes 3D mapping, ICE	17.00	\$949	17.00	\$907

Overview

2024 updates

Coverage

Coding

Payment







Medicare hospital outpatient rate changes

Change

Impact

3.5%.9,10

The Centers for Medicare and Medicaid Services (CMS) finalized updated payment rules for outpatient payment rates effective January 1, 2024.

Nationally, outpatient payments

catheter ablations are decreasing

for SVT, VT, and PVI cardiac

CPT® code ¹	Brief description	C-APC	FY2023 National Unadjusted* Rate ⁹	FY2024 National Unadjusted* Rate ¹⁰	% Change
93650	AV node ablation	5212	\$6,733	\$7,123	+5.7%
93653	SVT ablation and complete EPS				
93654	VT ablation and complete EPS	5213	\$23,481	\$22,653	-3.5%
93656	PVI ablation for AF with TS puncture and complete EPS				

Overview

2024 updates

Coverage

Coding

Payment







Medicare hospital inpatient rate changes

Change

The Centers for Medicare and Medicaid Services (CMS) finalized updated payment rules for inpatient payment rates, effective October 1, 2023.

MS-DRG	Description	FY2023 National Unadjusted* Rate ¹¹	FY2024 National Unadjusted [*] Rate ¹²	% Change
273	Percutaneous and other intracardiac procedures w/ MCC	\$27,527	\$27,285	-0.9%
274	Percutaneous and other intracardiac procedures w/o MCC	\$23,044	\$22,691	-1.5%

Impact

Nationally, inpatient payments for cardiac catheter ablations are decreasing (2.1%)^{11,12}.

Overview

2024 updates

Coverage

Coding

Payment







Coverage

Medicare and Medicare Advantage



Traditional Medicare coverage

For traditional Medicare patients, Medicare has not issued a national coverage determination nor have any contractors issued a local coverage determination for cardiac catheter ablation therapies. In the absence of formal coverage policy, the Social Security Act allows coverage and payment of only those services that are considered to be medically reasonable and necessary¹³. The medical necessity for services provided must be documented in the medical record.



Medicare Advantage coverage

Medicare Advantage plans are required to cover at least what is covered by Traditional Medicare.

Therefore, Medicare coverage policies apply to both traditional Medicare and Medicare Advantage plans 14. Medicare Advantage plan administrators may have policies and additional requirements such as prior testing and prior authorization.

Medtronic recommends that you review the specific payer coverage policies applicable to your patient to verify all the criteria for coverage are met and/or to request a prior authorization. Requesting authorization after a procedure may result in unpaid claims, leaving both the hospital and the physician without compensation.



2024 updates

Coverage

Coding

Payment







Coverage

Non-Medicare payers and documentation best practices



Non-Medicare payer coverage

Non-Medicare payers typically determine coverage for procedures based on applicable medical policies and prior authorization when required. Not all published policies apply to all patients covered by a particular payer.

Medtronic recommends that you review the specific payer coverage policies applicable to your patient to verify that all the criteria for coverage are met and to request a prior authorization. Requesting authorization after a procedure may result in unpaid claims, leaving both the hospital and the physician without compensation.



Best practices for documentation

Documentation in the patient's medical record must support the medical necessity of all procedures being performed. Some factors to consider to include-in that documentation might be:

- Relevant medical history, physical examination, and results of pertinent diagnostic tests or procedures.
- Failure or intolerance of other therapies or preference for the procedure being performed.

Overview

2024 updates

Coverage

Coding

Payment









The coding information below does not replace seeking coding advice from the payer and/or your own coding staff. The ultimate responsibility for correct coding lies with the provider of services. All diagnosis and procedure codes musts be supported by clear documentation within the medical record.

Click on the links below to access codes associated with cardiac catheter ablation procedures.

- Additional cardiac catheter ablation CPT® codes
- HCPCS codes

Overview

2024 updates

Coverage

Coding

Payment







Cardiac catheter ablation procedure CPT® codes



CPT® codes

The following CPT® codes describe procedures associated with cardiac catheter ablation and other electrophysiology procedures. Services rendered will dictate the appropriate coding. These codes may be used by physicians for all services and may be used by facilities when services are rendered in the outpatient hospital setting. It is the physician's discretion as to what codes to report based on what procedures were performed.

CPT® code ¹	Description			
Cardiac catheter ablation primary procedures				
93650	Intracardiac catheter ablation of atrioventricular note function, atrioventricular conduction for creation of complete heart block, with or without temporary pacemaker placement			
93653	Comprehensive electrophysiologic evaluation with insertion and repositioning of multiple electrode catheters, induction or attempted induction of an arrhythmia with right atrial pacing and recording and catheter ablation of arrhythmogenic focus, including intracardiac electrophysiologic 3-dimensional mapping, right ventricular pacing and recording, left atrial pacing and recording from coronary sinus or left atrium, and His bundle recording, when performed; 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			

Overview 2024 updates Coverage Coding Payment FAQ &



Resources





Cardiac catheter ablation procedure CPT® codes

CPT® code¹	Description
Cardiac cathete	er ablation primary procedures
93654	Comprehensive electrophysiologic evaluation with insertion and repositioning of multiple electrode catheters, induction or attempted induction of an arrhythmia with right atrial pacing and recording and catheter ablation of arrhythmogenic focus, including intracardiac electrophysiologic 3-dimensional mapping, right ventricular pacing and recording, left atrial pacing and recording from coronary sinus or left atrium, and His bundle recording, when performed; with treatment of ventricular tachycardia or focus of ventricular ectopy including left ventricular pacing and recording, when performed
93656	Comprehensive electrophysiologic evaluation including transseptal catheterizations, insertion and repositioning of multiple electrode catheters with intracardiac catheter ablation of atrial fibrillation by pulmonary vein isolation, including intracardiac electrophysiologic 3-dimensional mapping, intracardiac echocardiography including imaging supervision and interpretation, induction or attempted induction of an arrhythmia including left or right atrial pacing/recording, right ventricular pacing/recording, and His bundle recording when performed

Overview

2024 updates

Coverage

Coding

Payment







Additional cardiac catheter ablation and electrophysiology CPT® codes



Additional cardiac catheter ablation and electrophysiology CPT^{®1} codes

The following add-on codes may be used in addition to an appropriate primary procedure code when cardiac catheter ablation is performed after the treatment of the primary ablated mechanism during the same session.

The following add-on codes are not assigned to an APC because they are ancillary to the primary cardiac catheter ablation procedure. These codes are all classified by Medicare with a status indicator of "N" meaning that these services are not separately payable to hospitals. It is, however, important to report all codes for procedures performed for accuracy and cost accounting purposes.

Overview

2024 updates

Coverage

Coding

FAQ & Resources

Payment







Additional cardiac catheter ablation CPT® codes

CPT® code ¹	Description	Status indicator
Additional ca	ardiac catheter ablation procedures	
+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	Ν
	(Use 93655 in conjunction 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	N
	(Use 93657 in conjunction with 93656)	

Overview

2024 updates

Coverage

Coding

Payment







Additional cardiac catheter ablation CPT® codes



Transseptal puncture CPT®1 codes

The following add-on code is reported when transseptal puncture is performed, however, it is included in the primary procedure code description for pulmonary vein isolation and therefore not separately reported for cardiac catheter ablation

CPT® code ¹	Description	Status indicator
Transseptal pur	ncture	
	Left heart catheterization by transseptal puncture through intact septum or by transapical puncture	
+93462-26	(Use 93462 in conjunction with 33477, 93452, 93453, 93458, 93459, 93460, 93461, 93582, 93653, 93654)	Ν
	(Do not report 93462 in conjunction with 93656)	

Overview

2024 updates

Coverage

Coding

Payment







Additional cardiac catheter ablation CPT® codes



Intracardiac echocardiography (ICE) CPT®1 codes

Report the following when intracardiac echocardiography is performed

CPT® code¹	Description	Status indicator
Intracardiac ecl	hocardiography	
	Intracardiac echocardiography during therapeutic/diagnostic intervention, including imaging supervision and interpretation	
+93662-26	(Use 93662 in conjunction with 92987, 93453, 93460-93462, 93532, 93580, 93581, 93582, 93583, 93620, 93621, 93622, 93653, 93654 as appropriate)	Ν
	(Do not report 93662 in conjunction with 92961, 0569T, 0570T, 0613T)	

Overview

2024 updates

Coverage

Coding

Payment







Additional cardiac catheter ablation CPT® codes



2-D Mapping CPT®1 codes

Traditional (not 3-D) mapping is considered a distinct procedure and is separately reported when performed.

CPT® code¹	Description	Status indicator
Mapping		
+93609-26	Intraventricular and/or intra-atrial mapping of tachycardia site(s) with catheter manipulation to record from multiple sites to identify origin of tachycardia (Use 93609 in conjunction with 93620, 93653, 93656) (Do not report 93609 in conjunction with 93613, 93654)	N

Overview

2024 updates

Coverage

Coding

Payment







Additional cardiac catheter ablation CPT® codes



Comprehensive diagnostic electrophysiological studies (EPS) CPT®1 codes

Report one of the following codes when a physician performs a diagnostic electrophysiologic study (EPS) on a different date of service prior to a cardiac catheter ablation procedure. When a comprehensive EPS is performed on the same date of service as the cardiac catheter ablation procedure, it is generally included in the description for the primary ablation procedure code and is not separately reportable.

CPT® code ¹	Description		
Comprehensive of	Comprehensive diagnostic electrophysiological studies		
93619-26	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		
	(Do not report 93619 in conjunction with 93600, 93602, 93603, 93610, 93612, 93618, 93620, 93621, 93622, 93653, 93654, 93655, 93656,)		
93620-26	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		
21	(Do not report 93620 in conjunction with 93600, 93602, 93603, 93610, 93612, 93618, 93619, 93653, 93654, 93656, 93657)		

Overview

2024 updates

Coverage

Coding

Payment







Additional cardiac catheter ablation CPT® codes



Electrophysiology study (EPS) Components CPT®1 codes

When a comprehensive EPS is not performed on the same date of service as the cardiac catheter ablation procedure, report additional components separately as appropriate according to parenthetical instructions and documentation in the medical record.

CPT® code ¹	Description	Status indicator
Electrophysiol	ogy study components	
93621-26	Comprehensive electrophysiologic evaluation; with left atrial pacing and recording from coronary sinus or left atrium (Use 93621 in conjunction with 93620, 93653, 93654) (Do not report 93621 in conjunction with 93656)	N
93622-26	Comprehensive electrophysiologic evaluation including insertion and repositioning of multiple electrode catheters with induction or attempted induction of arrhythmia; with left ventricular pacing and recording (Use 93622 in conjunction with 93620, 93653, 93656) (Do not report 93622 in conjunction with 93654)	N
93623-26	Programmed stimulation and pacing after intravenous drug infusion (Use 93623 in conjunction with 93610, 93612, 93619, 93620, 93653, 93654, 93656)	N

2024 updates Coverage Coding Payment FAQ & Resources

Overview

Additional cardiac catheter ablation CPT® codes

A checkmark (\checkmark) indicates which add-on codes may be reported by a primary ablation code, when performed and documented.

CPT® code¹	Brief description	93653 SVT ablation	93654 VT ablation	93656 PVI for AF
+93609	Standard (2D mapping)	✓	Cannot use	✓
+93622	LV pacing/recording	✓	Cannot use	✓
+93623	Stimulation and pacing after IV drug infusion	✓	✓	✓
+93462	Left heart catheterization by transseptal puncture	✓	✓	Cannot use
+93655	Additional ablation of discrete mechanism of arrhythmia which is distinct from the primary ablation	✓	✓	✓
+93657	Additional linear or focal ablation of LA or RA for treatment of remaining AF after PVI	Cannot use	Cannot use	✓
+93662	Intracardiac echocardiography (ICE)	✓	✓	Cannot use

Overview 2024 updates Coverage Coding Payment









Moderate (conscious) sedation CPT® codes



Moderate (conscious) sedation CPT®1 codes

Since 2017, moderate sedation is separately reportable from the cardiac catheter ablation procedure. Moderate sedation codes are time-based services. The codes are organized according to two factors: (1) whether it's the same or a different physician or qualified healthcare provider performing the sedation and also performing the therapeutic service, and (2) the age of the patient for whom the services are being provided.

Overview

2024 updates

Coverage

Coding

Payment







Moderate (conscious) sedation CPT® codes



Same physician or qualified healthcare professional

Use the following codes when it is the <u>same</u> physician or other qualified healthcare professional performing the cardiac catheter ablation service and the sedation. Report either 99151 or 99152 depending on the age of the patient, and report additional unit(s) of add-on code +99153 as required depending on the intraservice time of moderate sedation.

CPT® code ¹	Description		
Moderate consc	Moderate conscious sedation		
99151	Moderate sedation services provided by the same physician or other qualified health care professional performing the diagnostic or therapeutic service that the sedation supports, requiring the presence of an independent trained observer to assist in the monitoring of the patient's level of consciousness and physiological status; initial 15 minutes of intraservice time, patient younger than 5 years of age		
99152	Moderate sedation services provided by the same physician or other qualified health care professional performing the diagnostic or therapeutic service that the sedation supports, requiring the presence of an independent trained observer to assist in the monitoring of the patient's level of consciousness and physiological status; initial 15 minutes of intraservice time, patient age 5 years or older		
+99153	Moderate sedation services provided by the same physician or other qualified health care professional performing the diagnostic or therapeutic service that the sedation supports, requiring the presence of an independent trained observer to assist in the monitoring of the patient's level of consciousness and physiological status; each additional 15 minutes intraservice time (Use 99153 in conjunction with 99151, 99152) (Do not report 99153 in conjunction with 99155, 99156)		

Overview

2024 updates

Coverage

Coding

Payment







Moderate (conscious) sedation CPT® codes



Different physician or qualified healthcare professional

Use the following services of codes when it is a <u>different</u> physician or other qualified healthcare professional performing the cardiac catheter ablation service and the sedation. Report either 99155 or 99156 depending on the age of the patient, and report additional unit(s) of add-on code +99157 as required depending on the intraservice time of moderate sedation.

CPT® code ¹	Description		
Moderate conscious	Moderate conscious sedation		
99155	Moderate sedation services provided by a physician or other qualified health care professional other than the physician or other qualified health care professional performing the diagnostic or therapeutic service that the sedation supports; initial 15 minutes of intraservice time, patient younger than 5 years of age		
99156	Moderate sedation services provided by a physician or other qualified health care professional other than the physician or other qualified health care professional performing the diagnostic or therapeutic service that the sedation supports; initial 15 minutes of intraservice time, patient aged 5 years or older		
+99157	Moderate sedation services provided by a physician or other qualified health care professional other than the physician or other qualified health care professional performing the diagnostic or therapeutic service that the sedation supports; each additional 15 minutes intraservice time (Use 99157 in conjunction with 99155, 99156) (Do not report 99157 in conjunction with 99151, 99152)		

Overview

2024 updates

Coverage

Coding

Payment







HCPCS C-codes



Hospital outpatient cardiac catheter ablation C-code listing

Medicare provides device C-codes for hospital use in billing Medicare for medical devices in the outpatient setting¹⁵. For a complete list of Medtronic cardiac catheter ablation products and their associated C-Codes, access our searchable, downloadable (Excel, CSV) C-Code finder found here.

Overview

2024 updates

Coverage

Coding

Payment







ICD-10-PCS codes



The coding information below does not replace seeking coding advice from the payer and/or your own coding staff. The ultimate responsibility for correct coding lies with the provider of services. All diagnosis and procedure codes musts be supported by clear documentation within the medical record.

ICD-10-PCS procedure codes for percutaneous cardiac catheter ablation procedures

Hospitals assign ICD-10-PCS codes for procedures performed during an inpatient admission. The following ICD-10-PCS code describes all percutaneous cardiac catheter ablation procedures.

ICD-10 procedure code ^{2,3}	Description	Notes on Effective Dates for 2024	
Percutaneous cardiac catheter ablation procedures			
02583ZZ	Destruction of conduction mechanism, percutaneous approach	Use this code to report any and all cardiac catheter ablations until April 01,2024. After April 01, 2024, continue to use this code to report any and all cardiac catheter ablations not utilizing IRE/PFA.	
02583ZF	Destruction of conduction mechanism using irreversible electroporation, percutaneous approach	This code will be effective for inpatient discharges on or after April 01,2024. Do not report this code until on or after the effective date.	

Overview

2024 updates

Coverage

Coding

Payment







ICD-10-PCS codes

ICD-10 procedure code ²	Description	
Transesophageal echocardiography (TEE)		
B246ZZ4	Ultrasonography of right and left heart, transesophageal	
Intracardiac echocardiography (ICE)		
B246ZZ3	Ultrasonography of right and left heart, intravascular	
Electrophysiologic study (EPS)		
4A0234Z	Measurement of cardiac electrical activity, percutaneous approach	
Mapping		
02K83ZZ	Map conduction mechanism, percutaneous approach	

Overview

2024 updates

Coverage

Coding

Payment







ICD-10-CM codes



The coding information below does not replace seeking coding advice from the payer and/or your own coding staff. The ultimate responsibility for correct coding lies with the provider of services. All diagnosis and procedure codes musts be supported by clear documentation within the medical record.

ICD-10-CM diagnosis codes that may support cardiac catheter ablation procedures

The following is a list of diagnosis codes that may be associated with VT, SVT, and PVI ablation procedures. The list is for illustrative purposes only. Refer to the Instructions for Use supplied with a product for indications, contraindications, side effects, warnings, and precautions.

ICD-10-CM diagnosis code ¹⁶	Description
Cardiac catheter ablation	n procedures
147.0	Re-entry ventricular arrhythmia
147.1	Supraventricular tachycardia (Includes AVNRT)
147.20	Ventricular tachycardia, unspecified
147.21	Torsades de pointes
147.29	Other ventricular tachycardia
147.9	Paroxysmal tachycardia, unspecified

Overview

2024 updates

Coverage

Coding

Payment







ICD-10-CM codes

ICD-10-CM diagnosis code ¹⁶	Description
Cardiac catheter ablation	procedures
148.0	Paroxysmal atrial fibrillation
148.11	Longstanding persistent atrial fibrillation
148.19	Other persistent atrial fibrillation
148.20	Chronic atrial fibrillation, unspecified
148.21	Permanent atrial fibrillation
148.3	Typical atrial flutter (type I)
148.4	Atypical atrial flutter (type II)
149.01	Ventricular fibrillation
149.02	Ventricular flutter
149.1	Atrial premature depolarization (premature atrial beats and contractions)
149.2	Junctional premature depolarization
149.3	Ventricular premature depolarization (premature ventricular contractions)

Overview

2024 updates

Coverage

Coding

Payment







ICD-10-CM codes

ICD-10-CM diagnosis code ¹⁶	Description
Cardiac catheter ablation	procedures
149.40	Unspecified premature depolarization (unspecified premature beats)
149.49	Other premature depolarization (includes ectopic beats)
149.5	Sick sinus syndrome (tachycardia-bradycardia syndrome)
149.8	Other specified cardiac arrhythmias
149.9	Cardiac arrhythmia, unspecified
148.91	Unspecified atrial fibrillation
148.92	Unspecified atrial flutter

Overview

2024 updates

Coverage

Coding

Payment







MS-DRG assignments



The coding information below does not replace seeking coding advice from the payer and/or your own coding staff. The ultimate responsibility for correct coding lies with the provider of services. All diagnosis and procedure codes musts be supported by clear documentation within the medical record.

MS-DRG assignments (MS-DRG: Medicare Severity Diagnosis Related Groups)

Medicare reimbursement for inpatient hospital services is based on a classification system known as Medicare Severity Diagnosis Related Groups (MS-DRGs). MS-DRG assignment is determined by patient diagnoses and procedures. Only one MS-DRG is assigned per hospital admission, and one payment is made for all procedures and supplies related to that inpatient stay. MS-DRG assignment may be affected when one or more secondary diagnoses that are included in the major complication or comorbidity (MCC) or complication or comorbidity (CC) lists are present. MCC and CC lists are updated annually and maintained by CMS.

MS-DRG ¹⁷	Brief description
Percutaneous intracardiac procedures	
273	Percutaneous and other intracardiac procedures w/ MCC
274	Percutaneous and other intracardiac procedures w/o MCC

Overview 2024 updates Coverage Coding Payment FAQ & Resources







Physician

Physician coding and payment

Effective January 1, 2024 - December 31, 2024

Physicians use CPT® codes to represent procedures and services performed in all places of service. Under Medicare's methodology for physician payment, each CPT® code is assigned a value, known as a relative value units (RVU). RVU's are part of how Medicare determines a payment amount.

CPT® code ¹	Description	FY2024 Medicare national unadjusted* physician rate ⁸	FY2024 physician work RVU ⁷	FY2024 total RVU ⁷
Cardiac cathet	er ablation procedures			
93650	AV node ablation	\$557	10.24	17.00
93653	SVT ablation and complete EPS	\$799	15.00	24.42
93654	VT ablation and complete EPS	\$963	18.10	29.42
93656	PVI ablation for AF with TS puncture and complete EPS	\$907	17.00	27.69

^{*}Unadjusted rates do not include sequestration or any other local payment adjustments.

2024 updates

Coverage

Coding

Payment







Physician

CPT® code ¹	Description	FY2024 Medicare national unadjusted* physician rate ⁸	FY2024 physician work RVU ⁷	FY2024 total RVU ⁷
Additional care	diac catheter ablation procedures			
93655	Additional catheter ablation of discrete mechanism	\$293	5.50	8.95
93657	Additional catheter ablation for remaining AF	\$293	5.50	8.96
Transseptal puncture				
93462	Left heart cath by transseptal puncture	\$198	3.73	6.06
Intracardiac echocardiography (ICE)				
93662-26	Intracardiac echocardiography (ICE)	\$67	1.44	2.05





Overview 2024 updates Coverage Coding Payment FAQ & Resources

^{*}Unadjusted rates do not include sequestration or any other local payment adjustments.

Physician

CPT® code ¹	Description	FY2024 Medicare national unadjusted* physician rate ⁸	FY2024 physician work RVU ⁷	FY2024 total RVU ⁷
Mapping				
93609-26	Intracardiac 2D mapping of tachycardia	\$260	4.99	7.93
Complete diag	Complete diagnostic electrophysiologic studies (EPS)			
93619-26	Comprehensive EP study without induction of arrhythmia	\$367	7.06	11.20
93620-26	Comprehensive EP study with induction of arrhythmia	\$588	11.32	17.97
Electrophysiology study (EPS) components				
93622-26	Comprehensive EP study with LV pacing and recording	\$161	3.10	4.93
93623-26	Programmed stimulation and pacing following IV drug infusion	\$65	0.98	1.98

^{*}Unadjusted rates do not include sequestration or any other local payment adjustments.

2024 updates

Coverage

Coding

Payment







Physician

CPT® code ¹	Description	FY2024 Medicare national unadjusted* physician rate ⁸	FY2024 physician work RVU ⁷	FY2024 total Facility RVU ⁷
Moderate (cor	nscious) sedation - same physician			
99151	Moderate sedation same physician initial 15 min. Patient under 5 years of age	\$23	0.50	0.71
99152	Moderate sedation same physician initial 15 min. Patient 5 years of age or older	\$12	0.25	0.36
+99153	Moderate sedation same physician each addl. 15 min intraservice time	NA	0.00	0.35
Moderate (conscious) sedation - different physician				
99155	Moderate sedation different physician initial 15 min. Patient under 5 years of age	\$80	1.90	2.45
99156	Moderate sedation different physician initial 15 min. Patient 5 years of age or older	\$73	1.65	2.22
+99157	Moderate sedation different physician each addl. 15 min intraservice time	\$58	1.25	1.76

 $[\]hbox{``Unadjusted rates do not include sequestration or any other local payment adjustments.}$

Overview

2024 updates

Coverage

Coding

Payment







Hospital outpatient coding & payment (APC)

Hospital outpatient coding and payment

Effective January 1, 2024 - December 31, 2024

Hospital outpatient reimbursement is subject to various packaging rules, including comprehensive APCs (C-APCs). Under C-APCs, only one payment is made for all procedures and supplies provided during the outpatient episode of care.

CPT® code ¹	Brief description	2024 Medicare national unadjusted* hospital outpatient rate ¹⁰	C-APC	Status indicator	C-APC description
Cardiac catho	eter ablation procedures				
93650	AV node ablation	\$7,123	5212	J1	Level 2 electrophysiologic procedures
93653	SVT ablation and complete EPS				
93654	VT ablation and complete EPS	\$22,653	5213	J1	Level 3 electrophysiologic procedures
93656	PVI ablation for AF with TS puncture and complete EPS				·

^{*}Unadjusted rates do not include sequestration or any other local payment adjustments.

Overview 2024 updates Coverage Coding Payment FAQ &



Resources





Hospital outpatient coding & payment (APC)

The following add-on codes are not assigned to an APC because they are ancillary to the primary cardiac catheter ablation procedure. These codes are all classified by Medicare with a status indicator of "N" meaning that these services are not separately payable to hospitals. It is, however, important to report all codes for procedures performed for accuracy and cost accounting purposes.

CPT® code ¹	Description	Status indicator ¹⁰
Transseptal p	uncture	
+93462	Left heart catheterization by transseptal puncture through intact septum or by transapical puncture (Use 93462 in conjunction with 33477, 93452, 93453, 93458, 93459, 93460, 93461, 93582, 93653, 93654) (Do not report 93642 in conjunction with 93656)	Ν
Stimulation a	nd pacing after IV drug infusion	
+93623	Programmed stimulation and pacing after intravenous drug infusion (Use 93623 in conjunction with 93610, 93612, 93619, 93620, 93653, 93654, 93656) (Do not report 93623 more than once per day)	Ν

Overview 2024 updates Coverage Coding Payment







Add-on codes

CPT® code¹	Description	Status indicator ¹⁰
Mapping		
+93609	Intraventricular and/or intra-atrial mapping of tachycardia site(s) with catheter manipulation to record from multiple sites to identify origin of tachycardia (Use 93609 in conjunction with 93620, 93653, 93656) (Do not report 93609 in conjunction with 93613, 93654)	N
Additional abla	tion beyond primary ablation procedure	
+93655	Additional ablation of discrete arrhythmia beyond primary ablation procedure, SVT or VT (Use 93655 in conjunction with 93653, 93654, 93656)	N
+93657	Additional ablation for remaining AF after PVI (Use 93657 in conjunction with 93656)	N

Overview 2024 updates Coverage Coding Payment FAQ & Resources







Add-on codes

CPT® code ¹	Description	Status indicator ¹⁰
Electrophysiolo	ogic studies	
+93621	Comprehensive EP evaluation; with left atrial pacing and recording from coronary sinus or left atrium (Use 93621 in conjunction with 93620, 93653, 93654) (Do not report 93621 in conjunction with 93656)	N
+93622	Comprehensive EP evaluation; with left ventricular pacing and recording (Use 93622 in conjunction with 93620, 93653, 93656) (Do not report 93622 in conjunction with 93654)	N
Intracardiac ec	hocardiography (ICE)	
+93662	Intracardiac echocardiography during therapeutic/diagnostic intervention, including imaging supervision and interpretation (Use 93662 in conjunction with 92987, 93453, 93460-93462, 93532, 93580, 93581, 93582, 93583, 93620, 93621, 93622, 93653, 93654 as appropriate) (Do not report 93662 in conjunction with 92961, 0569T, 0570T, 0613T)	N

Overview 2024 updates Coverage Coding Payment FAQ &



Resources





Inpatient

Hospital inpatient coding and payment

Effective October 1, 2023 - September 30, 2024

Medicare reimbursement for inpatient hospital services is based on a classification system known as Medicare severity diagnosis related groups (MS-DRGs). MS-DRG assignment is determined by patient diagnoses and procedures. Only one MS-DRG is assigned per hospital admission, and one payment is made for all procedures and supplies related to that inpatient stay. MS-DRG assignment may be affected when one or more secondary diagnoses that are included in the major complication or comorbidity (MCC) or complication or comorbidity (CC) lists, which are maintained by CMS. Each MS-DRG has a relative weight that is then converted to a flat payment amount. The MS-DRGs shown are those typically assigned to the following scenarios.

MS-DRG ¹⁷	Brief description	2024 MS-DRG Medicare national unadjusted* payment rate ¹²
Percutaneous	intracardiac procedures	
273	Percutaneous and other intracardiac procedures w/ MCC	\$27,285
274	Percutaneous and other intracardiac procedures w/o MCC	\$22,691

^{*}Unadjusted rates do not include sequestration or any other local payment adjustments.

Overview 2024 updates Coverage Coding Payment









Frequently asked questions

How is an additional ablation of a different arrhythmia reported?

When there is another separately identifiable arrhythmia ablated that is different from the initial arrhythmia ablation that would be reported with 93655.¹⁸

02

How many times may an add-on ablation code(s) be used?

Medicare Medically Unlikely Edits (MUEs) allow for 2 units of both +93655 and +93657. In the event that an additional ablation(s) is performed beyond these edits, a payer denial may be appealed by submitting documentation supporting the medical necessity of the service.

03

Is all mapping now included in the ablation procedure codes?

No, only 3-D mapping is included in the ablation procedure codes.¹⁸

04

Do the CPT codes change if a different energy source is used?

No, the cardiac catheter ablation codes do not specify the energy source used.

2024 updates

Coverage

Coding

FAQ & Resources

Payment







Frequently asked questions

05

How would an additional ablation done to treat atrial fibrillation remaining after PVI be reported

This would be reported with the add-on code 93657 which can only be reported with 93656.18

06

When is 2D mapping billable?

2D mapping is only billable when there is no 3D mapping done during the procedure.

Overview 2024 updates Coverage Coding Payment







Resources



For questions on how to bill for CardioInsight Noninvasive 3D Mapping System, please refer to the Coding & Payment Guide: CardioInsight Noninvasive 3D Mapping System document for additional information. It can be found here.



Learn more about the new ICD-10-PCS code for irreversible electroporation in cardiac catheter ablation, <u>Coding corner: CY2024 cardiac catheter ablation coding update.</u>

For additional information



Visit our website: www.Medtronic.com/crhfreimbursement



Email us: <u>rs.healthcareeconomics@medtronic.com</u>



Call our Reimbursement Customer Support team: 1-866-877-4102



2024 updates

Coverage

Coding

Payment







References

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- ¹CPT codes and descriptions only are copyright ©2023 American Medical Association. All rights reserved. No fee schedules are included in CPT. The American Medical Association assumes no liability for data contained or not contained herein.
- ² 2024 ICD-10-PCS. cms.gov https://www.cms.gov/medicare/coding-billing/icd-10-codes/2024-icd-10-pcs Updated September 6, 2023. Accessed September 19, 2023
- ³ICD-10 MS-DRGs Version 41.1 Effective April 1, 2024. (2023, November 29). cms.gov.https://www.cms.gov/files/document/icd-10-ms-drgs-v411-effective-april-1-2024.pdf
- ⁴ CPT codes and descriptions only are copyright ©2021 American Medical Association. All rights reserved. No fee schedules are included in CPT. The American Medical Association assumes no liability for data contained or not contained herein.
- ⁵The Medicare Physician Fee Schedule (MPFS) 2023 Relative Value Unit (RVU) amounts are based on information in Addendum B from the MPFS final rule CMS-1770-F which was released on November 11, 2022 and updates from the legislation signed on December 29, 2022. PFS Federal Regulation Notices. cms.gov https://www.cms.gov/medicaremedicare-fee-service-paymentphysicianfeeschedpfs-federal-regulation-notices/cms-1770-f
- ⁶ PFS 2023 Final Rule CMS-1770-F released November 2, 2022 and updates from the legislation signed on December 29, 2022. https://www.cms.gov/medicaremedicare-fee-service-paymentphysicianfeeschedpfs-federal-regulation-notices/cms-1770-f
- ⁷ The Medicare Physician Fee Schedule (MPFS) 2024 Relative Value Unit (RVU) amounts are based on information in Addendum B from the MPFS final rule CMS-1784-F which was released on November 2, 2023. PFS Federal Regulation Notices. cms.gov https://www.cms.gov/medicare/medicare-fee-service-payment/physicianfeesched/pfs-federal-regulation-notices/cms-1784-f
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- ⁹ OPPS/ASC 2023 final rule CMS-1772-FC released November 2, 2022 https://www.cms.gov/medicaremedicare-fee-service-paymenthospitaloutpatientppshospital-outpatient-regulations-and-notices/cms-1772-fc
- ¹⁰ The OPPS 2024 National payment rates based on information published in the OPPS/ASC final rule CMS-1786-FC and corresponding Addendum B and Addendum D1 tables which was released on November 2, 2023. Hospital Outpatient Regulations and Notices. cms.gov. https://www.cms.gov/medicare/payment/prospective-payment-systems/hospital-outpatient/regulations-notices/cms-1786-fc Accessed November 21, 2023"
- ¹¹ Rates represent the volume-weighted average rates across relevant MS-DRGs representing these procedures. Source: Acute Inpatient PPS, CMS https://www.cms.gov/medicare/medicare-fee-for-service-payment/acuteinpatientpps IPPS 2023 final rule CMS-1771-F and corrected amendment CMS-1771-F2 released August 2, 2022 https://www.cms.gov/medicare/acute-inpatient-pps/fy-2023-ipps-final-rule-home-page
- ¹² The IPPS FY 2024 National payment rates based on information published in the IPPS final rule CMS-1785-F. IPPS Final Rule Home Page. cms.gov https://www.cms.gov/medicare/acute-inpatient-pps/fy-2024-ipps-final-rule-home-page Updated November 30, 2022. Accessed December 7, 2023.
- ¹³ Social Security Act Section 1862 42 U.S.C. 1395y(a)(1)(A). Available at: https://www.ssa.gov/OP_Home/ssact/title18/1862.htm Accessed January 12, 2023
- ¹⁴ Centers for Medicare and Medicaid Services. Medicare Managed Care Coverage Manual Chapter 4 section 10.7.1 and 10.7.3 https://www.cms.gov/Regulations-and-Guidance/Guidance/Manuals/downloads/mc86c04.pdf Accessed on January 12, 2023
- ¹⁵ HCPCS 2023 Level II Professional Edition. American Medical Association; 2022
- ¹⁶ ICD-10-CM The Complete Official Codebook. 2023 AAPC

Overview

2024 updates

Coverage

Coding

Payment







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- ¹⁷ MS-DRG v41 Definitions Manual. Cms.gov. https://www.cms.gov/icd10m/fy2024-version41-fullcode-cms/fullcode_cms/p0001.html Accessed November 21, 2023
- ¹⁸ American Medical Association. (2021). CPT professional 2022.
- * The following information reflects the Medicare national allowable amount published by CMS and does not include Medicare payment reductions resulting from sequestration adjustments to the amount payable to the provider, as mandated by the Budget Control Act of 2011. The Medtronic Healthcare Economics and Reimbursement teams can provide site-specific information reflective of sequestration upon request.
- [‡] A new ICD-10-PCS code, 02583ZF, has been created to specify irreversible electroporation in cardiac ablation from other ablation modalities. The new ICD-10-PCS code for pulsed field ablation is effective starting April 01, 2024.

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Overview

2024 updates

Coverage

Coding

Payment





