

# ICE Add-On Coding Reference Guide

This guide provides coding and reimbursement information as it relates to the 2024 ICE (Intracardiac echocardiography) add-on coding update and its impacts on Electrophysiology, Heart Failure, Cardiac Rhythm Management, and Structural Heart procedure codes. Abbott offers reimbursement support via email at [AbbottEconomics@abbott.com](mailto:AbbottEconomics@abbott.com). Customer reimbursement assistance is provided subject to the disclaimers set forth in this guide.

**Intracardiac echocardiography (ICE) (CPT<sup>®</sup> code +93662)** during therapeutic/diagnostic intervention, including imaging supervision and interpretation (List separately in addition to code for primary procedure).

## Summary of ICE CPT<sup>®</sup> add-on codes by therapy<sup>1</sup>

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. 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.

### Coding for EP procedures

Procedure	CPT <sup>®</sup> Add-on Code	Can be reported in conjunction with CPT <sup>®</sup> codes:	2024 Work RVUs
Ablations	+93662	<b>93620</b> Comprehensive EP study with induction or attempted induction of arrhythmia	11.32
		<b>93653</b> EP and Catheter ablation, SVT	15.00
		<b>93654</b> EP and Catheter ablation, VT	18.10

### Coding for Structural Heart procedures

Procedure	CPT <sup>®</sup> Add-on Code	Can be reported in conjunction with CPT <sup>®</sup> codes:	2024 Work RVUs
LAA*	+93662	<b>33340</b> Percutaneous transcatheter closure of the left atrial appendage with endocardial implant	14.00
TAVR*	+93662	<b>33361</b> TAVR with prosthetic valve; percutaneous femoral artery approach	22.47
		<b>33362</b> TAVR with prosthetic valve; open femoral artery approach	24.54
		<b>33363</b> TAVR with prosthetic valve; open axillary artery approach	25.47
	+93662	<b>33364</b> TAVR with prosthetic valve; open iliac artery approach	25.97
		<b>33365</b> TAVR with prosthetic valve; transaortic approach	26.59
		<b>33366</b> TAVR with prosthetic valve; transapical approach	29.35

Procedure	CPT <sup>‡</sup> Add-on Code	Can be reported in conjunction with CPT <sup>‡</sup> codes:	2024 Work RVUs
TEER*	+93662	<b>33418</b> Transcatheter mitral valve repair, initial clip	32.25
ASD/PFO*		<b>93580</b> Percutaneous transcatheter closure of atrial septal defect or PFO with implant	17.97
VSD*		<b>93581</b> Percutaneous transcatheter closure of ventricular septal defect with implant	24.39
PDA*		<b>93582</b> Percutaneous transcatheter closure of patent ductus arteriosus	12.31
Mitral valve	+93662	<b>0345T</b> Transcatheter mitral valve repair percutaneous approach via the coronary sinus	Varies by case
		<b>0483T</b> Transcatheter mitral valve implantation/replacement, percutaneous approach	
		<b>0484T</b> Transcatheter mitral valve implantation/replacement, transthoracic exposure	
		<b>0543T</b> Transapical mitral valve repair, including transthoracic echocardiography	
Additional transcatheter intervention	+93662	<b>0544T</b> Transcatheter mitral valve annulus reconstruction	Varies by case
		<b>0545T</b> Transcatheter tricuspid valve annulus reconstruction, percutaneous approach	

## Coding for Heart Failure Management and Coronary Imaging

Procedure	CPT <sup>‡</sup> Add-on Code	Can be reported in conjunction with CPT <sup>‡</sup> codes:	2024 Work RVUs
Heart Cath	+93662	<b>93451</b> Right heart catheterization including measurement(s) of oxygen saturation and cardiac output	2.47
		<b>93452</b> Left heart catheterization including intraprocedural injection(s) for left ventriculography	4.50
		<b>93453</b> Combined right and left heart catheterization including intraprocedural injection(s) for left ventriculography	5.99
		<b>93454</b> Catheter placement in coronary artery(s) for coronary angiography	4.54
		<b>93455</b> Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for bypass graft angiography	5.29
		<b>93456</b> Catheter placement in coronary artery(s) for coronary angiography, with right heart catheterization	5.90
		<b>93457</b> Catheter placement in coronary artery(s) for coronary angiography, including intraprocedural injection(s) for bypass graft angiography and right heart catheterization	6.64
		<b>93458</b> Catheter placement in coronary artery(s) for coronary angiography, with left heart catheterization including intraprocedural injection(s) for left ventriculography	5.60
		<b>93459</b> Catheter placement in coronary artery(s) for coronary angiography, free arterial, venous grafts) with bypass graft angiography	6.35

Procedure	CPT <sup>‡</sup> Add-on Code	Can be reported in conjunction with CPT <sup>‡</sup> codes:	2024 Work RVUs
Heart Cath continued	+93662	<b>93460</b> Catheter placement in coronary artery(s) for coronary angiography, right and left heart catheterization including intraprocedural injection(s) for left ventriculography	7.10
		<b>93461</b> Catheter placement in coronary artery(s) for coronary angiography, catheter placement(s) in bypass graft(s) (internal mammary, free arterial, venous grafts) with bypass graft angiography	7.85
		<b>93505</b> Endomyocardial biopsy	4.12
		<b>93590</b> Repair leak around heart valve, mitral valve	21.70
		<b>93591</b> Repair leak around heart valve, aortic valve	17.97
		<b>93593</b> Right heart catheterization for congenital heart defect(s), normal native connections	3.99
		<b>93594</b> Right heart catheterization for congenital heart defect(s), abnormal native connections	6.10
		<b>93595</b> Left heart catheterization for congenital heart defect(s), normal or abnormal native connections	5.50
		<b>93596</b> Right and left heart catheterization for congenital heart defect(s), normal native connections	6.84
<b>93597</b> Right and left heart catheterization for congenital heart defect(s), abnormal native connections	8.88		

## Coding for Cardiac Rhythm Management procedures

Procedure	CPT <sup>‡</sup> Add-on Code	Can be reported in conjunction with CPT <sup>‡</sup> codes:	2024 Work RVUs
Single Chamber Leadless Pacemakers	+93662	<b>33274</b> Transcatheter insertion or replacement of permanent leadless pacemaker, right ventricular, including imaging guidance	7.80
		<b>33275</b> Transcatheter removal of permanent leadless pacemaker, right ventricular	8.59
		<b>0823T</b> Transcatheter insertion of permanent single-chamber leadless pacemaker, right atrial, including imaging guidance (e.g., fluoroscopy, venous ultrasound, right atrial angiography and/or right ventriculography, femoral venography, cavography) and device evaluation (e.g., interrogation or programming), when performed	Varies by case
		<b>0824T</b> Transcatheter removal of permanent single-chamber leadless pacemaker, right atrial, including imaging guidance (e.g., fluoroscopy, venous ultrasound, right atrial angiography and/or right ventriculography, femoral venography, cavography), when performed	
		<b>0825T</b> Transcatheter removal and replacement of permanent single-chamber leadless pacemaker, right atrial, including imaging guidance (eg, fluoroscopy, venous ultrasound, right atrial angiography and/or right ventriculography, femoral venography, cavography) and device evaluation (eg, interrogation or programming), when performed	

Procedure	CPT <sup>+</sup> Add-on Code	Can be reported in conjunction with CPT <sup>+</sup> codes:	2024 Work RVUs	
Dual Chamber Leadless Pacemaker (Insertion)	+93662	<b>0795T</b> Transcatheter insertion of a permanent dual chamber leadless pacemaker (right atrial and right ventricular components)	Varies by case	
Dual Chamber Leadless Pacemaker (Upgrade)	+93662	<b>0796T</b> Transcatheter insertion of a permanent dual chamber leadless pacemaker, right atrial pacemaker component (when an existing right ventricular single leadless pacemaker exists to create a dual chamber leadless pacemaker system) <b>0797T</b> Transcatheter insertion of a permanent dual chamber leadless pacemaker, right ventricular pacemaker component (when part of a dual chamber leadless pacemaker system)		
Dual Chamber Leadless Pacemaker (Removal)	+93662	<b>0798T</b> Transcatheter removal of permanent dual chamber leadless pacemaker (right atrial and right ventricular components) <b>0799T</b> Transcatheter removal of permanent dual chamber leadless pacemaker (right atrial component) <b>0800T</b> Transcatheter removal of permanent dual chamber leadless pacemaker (right ventricular component)	Varies by case	
Dual Chamber Leadless Pacemaker (Removal & Replacement)		<b>0801T</b> Transcatheter removal and replacement of permanent dual chamber leadless pacemaker (right atrial and right ventricular components) <b>0802T</b> Transcatheter removal and replacement of permanent dual chamber leadless pacemaker (right atrial component) <b>0803T</b> Transcatheter removal and replacement of permanent dual chamber leadless pacemaker (right ventricular component)		Varies by case

## Coding for Other ICE related procedures

Procedure	CPT <sup>+</sup> Add-on Code	Can be reported in conjunction with CPT <sup>+</sup> codes:	2024 Work RVUs
Other Procedures	+93662	<b>33477</b> Transcatheter pulmonary valve implantation, percutaneous approach, including pre-stenting of the valve delivery site, when performed	25.00
		<b>33741</b> Transcatheter atrial septostomy (TAS) for congenital cardiac anomalies to create effective atrial flow, including all imaging guidance by the proceduralist	14.00
		<b>33745</b> Transcatheter intracardiac shunt (TIS) creation by stent placement for congenital cardiac anomalies to establish effective intracardiac flow); initial intracardiac shunt	20.00
		<b>92986</b> Percutaneous balloon valvuloplasty; aortic valve	22.60

Procedure	CPT <sup>‡</sup> Add-on Code	Can be reported in conjunction with CPT <sup>‡</sup> codes:	2024 Work RVUs
Other Procedures continued	+93662	<b>92987</b> Percutaneous balloon valvuloplasty; mitral valve	23.38
		<b>92990</b> Percutaneous balloon valvuloplasty; pulmonary valve	18.27
		<b>92997</b> Percutaneous transluminal pulmonary artery balloon angioplasty; single vessel	11.98
		<b>93583</b> Percutaneous transcatheter septal reduction therapy including temporary pacemaker insertion when performed	13.75

### \*Procedure descriptions

<b>LAA</b>	LEFT ATRIAL APPENDAGE
<b>TAVR</b>	TRANSCATHETER AORTIC VALVE REPLACEMENT
<b>TEER</b>	TRANSCATHETER EDGE-TO-EDGE REPAIR
<b>ASD/PFO</b>	ATRIAL SEPTAL DEFECTS/PATENT FORAMEN OVALE
<b>VSD</b>	VENTRICULAR SEPTAL DEFECT
<b>PDA</b>	PATENT DUCTUS ARTERIOSUS

### References

[1] \*Per CPT<sup>‡</sup> Coding Guidelines. AMA. CPT<sup>‡</sup> 2024 Professional Edition. American Medical Association. 2024

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### Abbott

3200 Lakeside Dr., Santa Clara, CA 95054 USA Tel: 1.800.227.9902  
One St. Jude Medical Dr., St. Paul, MN 55117, USA, Tel: 1 651 756 2000  
www.cardiovascular.abbott

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