



Coding Cardiac for Congenital Heart Defects

General Coding Guidelines for Congenital Catheterizations

All congenital right heart caths **include**:

- Catheter placement in one or more right sided cardiac chambers or structures
- Obtaining blood samples for blood gas measurements
- Cardiac output measurements
- Catheter placement when morphologic left ventricle is in subpulmonic position
- Imaging guidance to guide catheter placement into normal venous structures, subpulmonic ventricle, and pulmonary artery

Right heart caths do **not** include:

- Right ventricular or right atrial angiography
- Pulmonary angiography
- Supravalvular aortography
- Catheter placement into anomalous venous structures (eg. LSVC, azygos vein, venovenous collaterals)

All congenital left heart caths **include**:

- Catheter placement in left sided cardiac chambers (eg. Left ventricle, aorta)
- Catheter placement when morphologic right ventricle is in subaortic position
- Left ventricular/atrial angiography, imaging supervision, and interpretation
- Imaging guidance to guide catheter placement into subaortic ventricle and aorta

Left heart caths do **not** include:

- Transapical puncture of the left ventricle
- Transseptal puncture of an intact septum

| CPT® | PRIMARY CODES |
|-------------|--|
| 93593 | Right heart catheterization for congenital heart defect(s) including imaging guidance by the proceduralist to advance the catheter to the target zone; normal native connections |
| 93594 | Right heart catheterization for congenital heart defect(s) including imaging guidance by the proceduralist to advance the catheter to the target zone; abnormal native connections |
| 93595 | Left heart catheterization for congenital heart defect(s) including imaging guidance by the proceduralist to advance the catheter to the target zone, normal or abnormal native connections |
| 93596 | Right and left heart catheterization for congenital heart defect(s) including imaging guidance by the proceduralist to advance the catheter to the target zone(s); normal native connections |
| 93597 | Right and left heart catheterization for congenital heart defect(s) including imaging guidance by the proceduralist to advance the catheter to the target zone(s); abnormal native connections |

Coding Catheterizations for Congenital Heart Defects

General Coding Guidelines for Congenital Catheterization

| CPT® | ADD-ON CODES |
|-------------|---|
| 93462 | Left heart catheterization by transseptal puncture through intact septum or by transapical puncture (List separately in addition to code for primary procedure) <ul style="list-style-type: none">• Use with 93595, 93596, 93597 |
| 93463 | Pharmacologic agent administration (eg, inhaled nitric oxide, intravenous infusion of nitroprusside, dobutamine, milrinone, or other agent) including assessing hemodynamic measurements before, during, after and repeat pharmacologic agent administration, when performed (List separately in addition to code for primary procedure) <ul style="list-style-type: none">• Bill only when performed with pre-, intra- and post-intervention hemodynamic and function measures as a diagnostic test or to evaluate potential therapeutic interventions |
| 93464 | Physiologic exercise study (eg, bicycle or arm ergometry) including assessing hemodynamic measurements before and after (List separately in addition to code for primary procedure) <ul style="list-style-type: none">• Bill only when performed with pre-, intra- and post-intervention hemodynamic and function measures as a diagnostic test or to evaluate potential therapeutic interventions |
| 93563 | Injection procedure during cardiac catheterization including imaging supervision, interpretation, and report; for selective coronary angiography during congenital heart catheterization (List separately in addition to code for primary procedure) |
| 93564 | For selective opacification of aortocoronary venous or arterial bypass graft(s) (eg, aortocoronary saphenous vein, free radial artery, or free mammary artery graft) to one or more coronary arteries and in situ arterial conduits (eg, internal mammary), whether native or used for bypass to one or more coronary arteries during congenital heart catheterization, when performed (List separately in addition to code for primary procedure) |
| 93565 | for selective left ventricular or left atrial angiography (List separately in addition to code for primary procedure) |
| 93566 | for selective right ventricular or right atrial angiography (List separately in addition to code for primary procedure) |
| 93567 | for supra-avalvular aortography (List separately in addition to code for primary procedure) |
| 93568 | for pulmonary angiography (List separately in addition to code for primary procedure) |

Coding Catheterizations

General Coding Guidelines for Catheterization

- 93571 Intravascular Doppler velocity and/or pressure derived coronary flow reserve measurement (coronary vessel or graft) during coronary angiography including pharmacologically induced stress; initial vessel (List separately in addition to code for primary procedure)
- Use appropriate coronary artery modifier
- 93572 Intravascular Doppler velocity and/or pressure derived coronary flow reserve measurement (coronary vessel or graft) during coronary angiography including pharmacologically induced stress; initial vessel (List separately in addition to code for primary procedure) each additional vessel (List separately in addition to code for primary procedure)
- Use appropriate coronary artery modifier
- 93598 Cardiac output measurement(s), thermodilution or other indicator dilution method, performed during cardiac catheterization for the evaluation of congenital heart defects (List separately in addition to code for primary procedure)
- Do not report with 93451-93461

References

American Medical Association (2022). CPT 2022 Professional Edition.

National Government Services, Inc. (2022). "Billing and Coding: Cardiac Catheterization and Coronary Angiography". Local Coverage Article A52850. [Accessed from Article–Billing and Coding: Cardiac Catheterization and Coronary Angiography \(A52850\) \(cms.gov\)](#).

DISCLAIMER: Information provided here by the Society for Cardiovascular Angiography and Interventions (SCAI) reflects a consensus of informed opinion regarding proper use of CPT codes. These comments and opinions are based on limited knowledge of the medical and factual circumstances of an individual case and should be used for general purposes only. These materials may not be copied or disseminated without the express written consent of SCAI.

Neither SCAI nor its employees or representatives are qualified to make clinical judgments or to render legal advice and counsel regarding the proper code for any given procedure, nor the consequences of use of any code including use of codes for purposes of reimbursement. For legal advice, recipients of such information should consult their own counsel.

CPT © 2022 American Medical Association. All rights reserved. CPT® is a registered trademark of the American Medical Association.