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 (e.g. LSVC, azygos vein, venovenous collaterals)

All congenital left heart caths include:
- Catheter placement in left sided cardiac chambers (e.g. 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>93593</td>
<td>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</td>
</tr>
<tr>
<td>93594</td>
<td>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</td>
</tr>
<tr>
<td>93595</td>
<td>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</td>
</tr>
<tr>
<td>93596</td>
<td>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</td>
</tr>
<tr>
<td>93597</td>
<td>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</td>
</tr>
</tbody>
</table>
# Coding Catheterizations for Congenital Heart Defects

## General Coding Guidelines for Congenital Catheterization

### CPT® ADD-ON CODES

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Additional Information</th>
</tr>
</thead>
</table>
| 93462  | Left heart catheterization by transseptal puncture through intact septum or by transapical puncture | List separately in addition to code for primary procedure  
  • 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  
  • 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  
  • 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 supravalvular 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>93571</td>
<td>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)</td>
</tr>
<tr>
<td></td>
<td>• Use appropriate coronary artery modifier</td>
</tr>
<tr>
<td>93572</td>
<td>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)</td>
</tr>
<tr>
<td></td>
<td>• Use appropriate coronary artery modifier</td>
</tr>
<tr>
<td>93598</td>
<td>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)</td>
</tr>
<tr>
<td></td>
<td>• Do not report with 93451-93461</td>
</tr>
</tbody>
</table>

### References


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