



Tracked Codes

For Defined Category Thoracic Other Only

Specialty: Surgery

Area: ALIM TR-ESOPHAGUS

Type: ANTIREFLUX PROC-OPEN

Code	Def Cat	Description
43334	DC and Vasc Exposure/Esophagus/Thoracic Other	Repair, paraesophageal hiatal hernia (including fundoplication), via thoracotomy, except neonatal; without implantation of mesh or other prosthesis
43335	DC and Vasc Exposure/Esophagus/Thoracic Other	Repair, paraesophageal hiatal hernia (including fundoplication), via thoracotomy, except neonatal; with implantation of mesh or other prosthesis
43336	DC and Vasc Exposure/Esophagus/Thoracic Other/Abdominal Other	Repair, paraesophageal hiatal hernia, (including fundoplication), via thoracoabdominal incision, except neonatal; without implantation of mesh or other prosthesis
43337	DC and Vasc Exposure/Esophagus/Thoracic Other/Abdominal Other	Repair, paraesophageal hiatal hernia, (including fundoplication), via thoracoabdominal incision, except neonatal; with implantation of mesh or other prosthesis

Area: VASC - UPPER EXTREMITY

Type: THORACIC OUTLET DECOMPRESSION PROC

Code	Def Cat	Description
21615	Thoracic Other/Vascular Other/DC and Vasc Exposure	Excision first and/or cervical rib;
21616	Thoracic Other/Vascular Other/DC and Vasc Exposure	Excision first and/or cervical rib; with sympathectomy

Area: VASC - TRAUMA

Type: REPAIR THORACIC VESSELS

Code	Def Cat	Description
33320	Thoracic Other/Anastomosis, Repair, or E/DC and Vasc Exposure	Suture repair of aorta or great vessels; without shunt or cardiopulmonary bypass
33321	Thoracic Other/Anastomosis, Repair, or E/DC and Vasc Exposure	Suture repair of aorta or great vessels; with shunt bypass
33322	Thoracic Other/Anastomosis, Repair, or E/DC and Vasc Exposure	Suture repair of aorta or great vessels; with cardiopulmonary bypass
33335	Thoracic Other/Anastomosis, Repair, or E/DC and Vasc Exposure	Insertion of graft, aorta or great vessels; with cardiopulmonary bypass
35211	Thoracic Other/Anastomosis, Repair, or E/DC and Vasc Exposure	Repair blood vessel, direct; intrathoracic, with bypass
35216	Thoracic Other/Anastomosis, Repair, or E/DC and Vasc Exposure	Repair blood vessel, direct; intrathoracic, without bypass
35241	Thoracic Other/Anastomosis, Repair, or E/DC and Vasc Exposure	Repair blood vessel with vein graft; intrathoracic, with bypass
35246	Thoracic Other/Anastomosis, Repair, or E/DC and Vasc Exposure	Repair blood vessel with vein graft; intrathoracic, without bypass
35271	Thoracic Other/Anastomosis, Repair, or E/DC and Vasc Exposure	Repair blood vessel with graft other than vein; intrathoracic, with bypass
35276	Thoracic Other/Anastomosis, Repair, or E/DC and Vasc Exposure	Repair blood vessel with graft other than vein; intrathoracic, without bypass

Area: THORACIC

Type: CARDIAC PROCEDURES

Code	Def Cat	Description
33050	Thoracic Other/DC and Vasc Exposure	Resection of pericardial cyst or tumor
33120	Thoracic Other/DC and Vasc Exposure	Excision of intracardiac tumor, resection with cardiopulmonary bypass
33130	Thoracic Other/DC and Vasc Exposure	Resection of external cardiac tumor
33141	Thoracic Other/DC and Vasc Exposure	Transmyocardial laser revascularization, by thoracotomy; performed at the time of other open cardiac procedure(s) (List separately in addition to code for primary procedure)
33250	Thoracic Other/DC and Vasc Exposure	Operative ablation of supraventricular arrhythmogenic focus or pathway (eg, Wolff-Parkinson-White, atrioventricular node re-entry), tract(s) and/or focus (foci); without cardiopulmonary bypass
33251	Thoracic Other/DC and Vasc Exposure	Operative ablation of supraventricular arrhythmogenic focus or pathway (eg, Wolff-Parkinson-White, atrioventricular node re-entry), tract(s) and/or focus (foci); with cardiopulmonary bypass
33254	Thoracic Other/DC and Vasc Exposure	Operative tissue ablation and reconstruction of atria, limited (eg, modified maze procedure)
33255	Thoracic Other/DC and Vasc Exposure	Operative tissue ablation and reconstruction of atria, extensive (eg, maze procedure); without cardiopulmonary bypass
33256	Thoracic Other/DC and Vasc Exposure	Operative tissue ablation and reconstruction of atria, extensive (eg, maze procedure); with cardiopulmonary bypass
33261	Thoracic Other/DC and Vasc Exposure	Operative ablation of ventricular arrhythmogenic focus with cardiopulmonary bypass
33265	Thoracic Other/DC and Vasc Exposure	Endoscopy, surgical; operative tissue ablation and reconstruction of atria, limited (eg, modified maze procedure), without cardiopulmonary bypass
33266	Thoracic Other/DC and Vasc Exposure	Endoscopy, surgical; operative tissue ablation and reconstruction of atria, extensive (eg, maze procedure), without cardiopulmonary bypass
33390	Thoracic Other/DC and Vasc Exposure	Valvuloplasty, aortic valve, open, with cardiopulmonary bypass; simple (ie, valvotomy, debridement, debulking, and/or simple commissural resuspension)
33391	Thoracic Other/DC and Vasc Exposure	Valvuloplasty, aortic valve, open, with cardiopulmonary bypass; complex (eg, leaflet extension, leaflet resection, leaflet reconstruction, or annuloplasty)
33404	Thoracic Other/DC and Vasc Exposure	Construction of apical-aortic conduit
33405	Thoracic Other/DC and Vasc Exposure	Replacement, aortic valve, open, with cardiopulmonary bypass; with prosthetic valve other than homograft or stentless valve
33406	Thoracic Other/DC and Vasc Exposure	Replacement, aortic valve, open, with cardiopulmonary bypass; with allograft valve (freehand)
33410	Thoracic Other/DC and Vasc Exposure	Replacement, aortic valve, open, with cardiopulmonary bypass; with stentless tissue valve
33411	Thoracic Other/DC and Vasc Exposure	Replacement, aortic valve; with aortic annulus enlargement, noncoronary sinus
33412	Thoracic Other/DC and Vasc Exposure	Replacement, aortic valve; with transventricular aortic annulus enlargement (Konno procedure)
33413	Thoracic Other/DC and Vasc Exposure	Replacement, aortic valve; by translocation of autologous pulmonary valve with allograft replacement of pulmonary valve (Ross procedure)
33414	Thoracic Other/DC and Vasc Exposure	Repair of left ventricular outflow tract obstruction by patch enlargement of the outflow tract
33415	Thoracic Other/DC and Vasc Exposure	Resection or incision of subvalvular tissue for discrete subvalvular aortic stenosis
33416	Thoracic Other/DC and Vasc Exposure	Ventriculomyotomy (-myectomy) for idiopathic hypertrophic subaortic stenosis (eg, asymmetric septal hypertrophy)
33417	Thoracic Other/DC and Vasc Exposure	Aortoplasty (gusset) for supraaortic stenosis
33420	Thoracic Other/DC and Vasc Exposure	Valvotomy, mitral valve; closed heart
33422	Thoracic Other/DC and Vasc Exposure	Valvotomy, mitral valve; open heart, with cardiopulmonary bypass
33425	Thoracic Other/DC and Vasc Exposure	Valvuloplasty, mitral valve, with cardiopulmonary bypass;
33426	Thoracic Other/DC and Vasc Exposure	Valvuloplasty, mitral valve, with cardiopulmonary bypass; with prosthetic ring
33427	Thoracic Other/DC and Vasc Exposure	Valvuloplasty, mitral valve, with cardiopulmonary bypass; radical reconstruction, with or without ring
33430	Thoracic Other/DC and Vasc Exposure	Replacement, mitral valve, with cardiopulmonary bypass
33460	Thoracic Other/DC and Vasc Exposure	Valvectomy, tricuspid valve, with cardiopulmonary bypass
33463	Thoracic Other/DC and Vasc Exposure	Valvuloplasty, tricuspid valve; without ring insertion

33464	Thoracic Other/DC and Vasc Exposure	Valvuloplasty, tricuspid valve; with ring insertion
33465	Thoracic Other/DC and Vasc Exposure	Replacement, tricuspid valve, with cardiopulmonary bypass
33468	Thoracic Other/DC and Vasc Exposure	Tricuspid valve repositioning and plication for Ebstein anomaly
33470	Thoracic Other/DC and Vasc Exposure	Valvotomy, pulmonary valve, closed heart; transventricular
33471	Thoracic Other/DC and Vasc Exposure	Valvotomy, pulmonary valve, closed heart; via pulmonary artery
33474	Thoracic Other/DC and Vasc Exposure	Valvotomy, pulmonary valve, open heart, with cardiopulmonary bypass
33475	Thoracic Other/DC and Vasc Exposure	Replacement, pulmonary valve
33476	Thoracic Other/DC and Vasc Exposure	Right ventricular resection for infundibular stenosis, with or without commissurotomy
33478	Thoracic Other/DC and Vasc Exposure	Outflow tract augmentation (gusset), with or without commissurotomy or infundibular resection
33496	Thoracic Other/DC and Vasc Exposure	Repair of non-structural prosthetic valve dysfunction with cardiopulmonary bypass (separate procedure)
33500	Thoracic Other/DC and Vasc Exposure	Repair of coronary arteriovenous or arteriocardiac chamber fistula; with cardiopulmonary bypass
33501	Thoracic Other/DC and Vasc Exposure	Repair of coronary arteriovenous or arteriocardiac chamber fistula; without cardiopulmonary bypass
33502	Thoracic Other/DC and Vasc Exposure	Repair of anomalous coronary artery from pulmonary artery origin; by ligation
33503	Thoracic Other/DC and Vasc Exposure	Repair of anomalous coronary artery from pulmonary artery origin; by graft, without cardiopulmonary bypass
33504	Thoracic Other/DC and Vasc Exposure	Repair of anomalous coronary artery from pulmonary artery origin; by graft, with cardiopulmonary bypass
33505	Thoracic Other/DC and Vasc Exposure	Repair of anomalous coronary artery from pulmonary artery origin; with construction of intrapulmonary artery tunnel (Takeuchi procedure)
33506	Thoracic Other/DC and Vasc Exposure	Repair of anomalous coronary artery from pulmonary artery origin; by translocation from pulmonary artery to aorta
33507	Thoracic Other/DC and Vasc Exposure	Repair of anomalous (eg, intramural) aortic origin of coronary artery by unroofing or translocation
33510	Thoracic Other/DC and Vasc Exposure	Coronary artery bypass, vein only; single coronary venous graft
33511	Thoracic Other/DC and Vasc Exposure	Coronary artery bypass, vein only; 2 coronary venous grafts
33512	Thoracic Other/DC and Vasc Exposure	Coronary artery bypass, vein only; 3 coronary venous grafts
33513	Thoracic Other/DC and Vasc Exposure	Coronary artery bypass, vein only; 4 coronary venous grafts
33514	Thoracic Other/DC and Vasc Exposure	Coronary artery bypass, vein only; 5 coronary venous grafts
33516	Thoracic Other/DC and Vasc Exposure	Coronary artery bypass, vein only; 6 or more coronary venous grafts
33517	Thoracic Other/DC and Vasc Exposure	Coronary artery bypass, using venous graft(s) and arterial graft(s); single vein graft (List separately in addition to code for primary procedure)
33518	Thoracic Other/DC and Vasc Exposure	Coronary artery bypass, using venous graft(s) and arterial graft(s); 2 venous grafts (List separately in addition to code for primary procedure)
33519	Thoracic Other/DC and Vasc Exposure	Coronary artery bypass, using venous graft(s) and arterial graft(s); 3 venous grafts (List separately in addition to code for primary procedure)
33521	Thoracic Other/DC and Vasc Exposure	Coronary artery bypass, using venous graft(s) and arterial graft(s); 4 venous grafts (List separately in addition to code for primary procedure)
33522	Thoracic Other/DC and Vasc Exposure	Coronary artery bypass, using venous graft(s) and arterial graft(s); 5 venous grafts (List separately in addition to code for primary procedure)
33523	Thoracic Other/DC and Vasc Exposure	Coronary artery bypass, using venous graft(s) and arterial graft(s); 6 or more venous grafts (List separately in addition to code for primary procedure)
33530	Thoracic Other/DC and Vasc Exposure	Reoperation, coronary artery bypass procedure or valve procedure, more than 1 month after original operation (List separately in addition to code for primary procedure)
33533	Thoracic Other/DC and Vasc Exposure	Coronary artery bypass, using arterial graft(s); single arterial graft
33534	Thoracic Other/DC and Vasc Exposure	Coronary artery bypass, using arterial graft(s); 2 coronary arterial grafts
33535	Thoracic Other/DC and Vasc Exposure	Coronary artery bypass, using arterial graft(s); 3 coronary arterial grafts

33536	Thoracic Other/DC and Vasc Exposure	Coronary artery bypass, using arterial graft(s); 4 or more coronary arterial grafts
33542	Thoracic Other/DC and Vasc Exposure	Myocardial resection (eg, ventricular aneurysmectomy)
33545	Thoracic Other/DC and Vasc Exposure	Repair of postinfarction ventricular septal defect, with or without myocardial resection
33548	Thoracic Other/DC and Vasc Exposure	Surgical ventricular restoration procedure, includes prosthetic patch, when performed (eg, ventricular remodeling, SVR, SAVER, Dor procedures)
33572	Thoracic Other/DC and Vasc Exposure	Coronary endarterectomy, open, any method, of left anterior descending, circumflex, or right coronary artery performed in conjunction with coronary artery bypass graft procedure, each vessel (List separately in addition to primary procedure)
33600	Thoracic Other/DC and Vasc Exposure	Closure of atrioventricular valve (mitral or tricuspid) by suture or patch
33602	Thoracic Other/DC and Vasc Exposure	Closure of semilunar valve (aortic or pulmonary) by suture or patch
33606	Thoracic Other/DC and Vasc Exposure	Anastomosis of pulmonary artery to aorta (Damus-Kaye-Stansel procedure)
33608	Thoracic Other/DC and Vasc Exposure	Repair of complex cardiac anomaly other than pulmonary atresia with ventricular septal defect by construction or replacement of conduit from right or left ventricle to pulmonary artery
33610	Thoracic Other/DC and Vasc Exposure	Repair of complex cardiac anomalies (eg, single ventricle with subaortic obstruction) by surgical enlargement of ventricular septal defect
33611	Thoracic Other/DC and Vasc Exposure	Repair of double outlet right ventricle with intraventricular tunnel repair;
33612	Thoracic Other/DC and Vasc Exposure	Repair of double outlet right ventricle with intraventricular tunnel repair; with repair of right ventricular outflow tract obstruction
33615	Thoracic Other/DC and Vasc Exposure	Repair of complex cardiac anomalies (eg, tricuspid atresia) by closure of atrial septal defect and anastomosis of atria or vena cava to pulmonary artery (simple Fontan procedure)
33617	Thoracic Other/DC and Vasc Exposure	Repair of complex cardiac anomalies (eg, single ventricle) by modified Fontan procedure
33619	Thoracic Other/DC and Vasc Exposure	Repair of single ventricle with aortic outflow obstruction and aortic arch hypoplasia (hypoplastic left heart syndrome) (eg, Norwood procedure)
33641	Thoracic Other/DC and Vasc Exposure	Repair atrial septal defect, secundum, with cardiopulmonary bypass, with or without patch
33645	Thoracic Other/DC and Vasc Exposure	Direct or patch closure, sinus venosus, with or without anomalous pulmonary venous drainage
33647	Thoracic Other/DC and Vasc Exposure	Repair of atrial septal defect and ventricular septal defect, with direct or patch closure
33660	Thoracic Other/DC and Vasc Exposure	Repair of incomplete or partial atrioventricular canal (ostium primum atrial septal defect), with or without atrioventricular valve repair
33665	Thoracic Other/DC and Vasc Exposure	Repair of intermediate or transitional atrioventricular canal, with or without atrioventricular valve repair
33670	Thoracic Other/DC and Vasc Exposure	Repair of complete atrioventricular canal, with or without prosthetic valve
33681	Thoracic Other/DC and Vasc Exposure	Closure of single ventricular septal defect, with or without patch;
33684	Thoracic Other/DC and Vasc Exposure	Closure of single ventricular septal defect, with or without patch; with pulmonary valvotomy or infundibular resection (acyanotic)
33688	Thoracic Other/DC and Vasc Exposure	Closure of single ventricular septal defect, with or without patch; with removal of pulmonary artery band, with or without gusset
33690	Thoracic Other/DC and Vasc Exposure	Banding of pulmonary artery
33692	Thoracic Other/DC and Vasc Exposure	Complete repair tetralogy of Fallot without pulmonary atresia;
33694	Thoracic Other/DC and Vasc Exposure	Complete repair tetralogy of Fallot without pulmonary atresia; with transannular patch
33697	Thoracic Other/DC and Vasc Exposure	Complete repair tetralogy of Fallot with pulmonary atresia including construction of conduit from right ventricle to pulmonary artery and closure of ventricular septal defect
33702	Thoracic Other/DC and Vasc Exposure	Repair sinus of Valsalva fistula, with cardiopulmonary bypass;
33710	Thoracic Other/DC and Vasc Exposure	Repair sinus of Valsalva fistula, with cardiopulmonary bypass; with repair of ventricular septal defect
33720	Thoracic Other/DC and Vasc Exposure	Repair sinus of Valsalva aneurysm, with cardiopulmonary bypass
33722	Thoracic Other/DC and Vasc Exposure	Closure of aortico-left ventricular tunnel
33730	Thoracic Other/DC and Vasc Exposure	Complete repair of anomalous pulmonary venous return (supracardiac, intracardiac, or infracardiac types)

33732	Thoracic Other/DC and Vasc Exposure	Repair of cor triatriatum or supravulvular mitral ring by resection of left atrial membrane
33735	Thoracic Other/DC and Vasc Exposure	Atrial septectomy or septostomy; closed heart (Blalock-Hanlon type operation)
33736	Thoracic Other/DC and Vasc Exposure	Atrial septectomy or septostomy; open heart with cardiopulmonary bypass
33737	Thoracic Other/DC and Vasc Exposure	Atrial septectomy or septostomy; open heart, with inflow occlusion
33750	Thoracic Other/DC and Vasc Exposure	Shunt; subclavian to pulmonary artery (Blalock-Taussig type operation)
33755	Thoracic Other/DC and Vasc Exposure	Shunt; ascending aorta to pulmonary artery (Waterston type operation)
33762	Thoracic Other/DC and Vasc Exposure	Shunt; descending aorta to pulmonary artery (Potts-Smith type operation)
33764	Thoracic Other/DC and Vasc Exposure	Shunt; central, with prosthetic graft
33766	Thoracic Other/DC and Vasc Exposure	Shunt; superior vena cava to pulmonary artery for flow to 1 lung (classical Glenn procedure)
33767	Thoracic Other/DC and Vasc Exposure	Shunt; superior vena cava to pulmonary artery for flow to both lungs (bidirectional Glenn procedure)
33770	Thoracic Other/DC and Vasc Exposure	Repair of transposition of the great arteries with ventricular septal defect and subpulmonary stenosis; without surgical enlargement of ventricular septal defect
33771	Thoracic Other/DC and Vasc Exposure	Repair of transposition of the great arteries with ventricular septal defect and subpulmonary stenosis; with surgical enlargement of ventricular septal defect
33774	Thoracic Other/DC and Vasc Exposure	Repair of transposition of the great arteries, atrial baffle procedure (eg, Mustard or Senning type) with cardiopulmonary bypass;
33775	Thoracic Other/DC and Vasc Exposure	Repair of transposition of the great arteries, atrial baffle procedure (eg, Mustard or Senning type) with cardiopulmonary bypass; with removal of pulmonary band
33776	Thoracic Other/DC and Vasc Exposure	Repair of transposition of the great arteries, atrial baffle procedure (eg, Mustard or Senning type) with cardiopulmonary bypass; with closure of ventricular septal defect
33777	Thoracic Other/DC and Vasc Exposure	Repair of transposition of the great arteries, atrial baffle procedure (eg, Mustard or Senning type) with cardiopulmonary bypass; with repair of subpulmonic obstruction
33778	Thoracic Other/DC and Vasc Exposure	Repair of transposition of the great arteries, aortic pulmonary artery reconstruction (eg, Jatene type);
33779	Thoracic Other/DC and Vasc Exposure	Repair of transposition of the great arteries, aortic pulmonary artery reconstruction (eg, Jatene type); with removal of pulmonary band
33780	Thoracic Other/DC and Vasc Exposure	Repair of transposition of the great arteries, aortic pulmonary artery reconstruction (eg, Jatene type); with closure of ventricular septal defect
33781	Thoracic Other/DC and Vasc Exposure	Repair of transposition of the great arteries, aortic pulmonary artery reconstruction (eg, Jatene type); with repair of subpulmonic obstruction
33786	Thoracic Other/DC and Vasc Exposure	Total repair, truncus arteriosus (Rastelli type operation)
33788	Thoracic Other/DC and Vasc Exposure	Reimplantation of an anomalous pulmonary artery

Area: THORACIC

Type: ESOPHAGOMYOTOMY (HELLER)-THORACOSCOPIC

Code	Def Cat	Description
32665	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, surgical; with esophagomyotomy (Heller type)

Area: THORACIC

Type: EXCISION MEDIASTINAL TUMOR

Code	Def Cat	Description
21632	Thoracic Other/DC and Vasc Exposure	Radical resection of sternum; with mediastinal lymphadenectomy
39010	Thoracic Other/DC and Vasc Exposure	Mediastinotomy with exploration, drainage, removal of foreign body, or biopsy; transthoracic approach, including either transthoracic or median sternotomy
39200	Thoracic Other/DC and Vasc Exposure	Resection of mediastinal cyst
39220	Thoracic Other/DC and Vasc Exposure	Resection of mediastinal tumor

Area: THORACIC

Type: EXPLOR THORACOTOMY W/WO BX-THORACOS

Code	Def Cat	Description
32601	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, diagnostic (separate procedure); lungs, pericardial sac, mediastinal or pleural space, without biopsy
32604	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, diagnostic (separate procedure); pericardial sac, with biopsy
32606	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, diagnostic (separate procedure); mediastinal space, with biopsy
32651	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, surgical; with partial pulmonary decortication
32653	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, surgical; with removal of intrapleural foreign body or fibrin deposit
32658	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, surgical; with removal of clot or foreign body from pericardial sac

Area: THORACIC

Type: LOBECTOMY/SEGMENTAL RESECT LUNG-THORACOS

Code	Def Cat	Description
32663	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, surgical; with lobectomy (single lobe)

Area: THORACIC

Type: OPEN DRAINAGE OF EMPYEMA

Code	Def Cat	Description
32035	Thoracic Other/DC and Vasc Exposure	Thoracostomy; with rib resection for empyema
32036	Thoracic Other/DC and Vasc Exposure	Thoracostomy; with open flap drainage for empyema

Area: THORACIC

Type: OTHER MAJOR THORACIC

Code	Def Cat	Description
20250	Thoracic Other/DC and Vasc Exposure	Biopsy, vertebral body, open; thoracic
21510	Thoracic Other/DC and Vasc Exposure	Incision, deep, with opening of bone cortex (eg, for osteomyelitis or bone abscess), thorax
21600	Thoracic Other/DC and Vasc Exposure	Excision of rib, partial
21610	Thoracic Other/DC and Vasc Exposure	Costotransversectomy (separate procedure)
21620	Thoracic Other/DC and Vasc Exposure	Ostectomy of sternum, partial
21627	Thoracic Other/DC and Vasc Exposure	Sternal debridement
21630	Thoracic Other/DC and Vasc Exposure	Radical resection of sternum;
21740	Thoracic Other/DC and Vasc Exposure	Reconstructive repair of pectus excavatum or carinatum; open
21742	Thoracic Other/DC and Vasc Exposure	Reconstructive repair of pectus excavatum or carinatum; minimally invasive approach (Nuss procedure), without thoracoscopy
21743	Thoracic Other/DC and Vasc Exposure	Reconstructive repair of pectus excavatum or carinatum; minimally invasive approach (Nuss procedure), with thoracoscopy
21750	Thoracic Other/DC and Vasc Exposure	Closure of median sternotomy separation with or without debridement (separate procedure)
21825	Thoracic Other/DC and Vasc Exposure	Open treatment of sternum fracture with or without skeletal fixation
31770	Thoracic Other/DC and Vasc Exposure	Bronchoplasty; graft repair
31775	Thoracic Other/DC and Vasc Exposure	Bronchoplasty; excision stenosis and anastomosis
31781	Thoracic Other/DC and Vasc Exposure	Excision tracheal stenosis and anastomosis; cervicothoracic
32501	Thoracic Other/DC and Vasc Exposure	Resection and repair of portion of bronchus (bronchoplasty) when performed at time of lobectomy or segmentectomy (List separately in addition to code for primary procedure)
32540	Thoracic Other/DC and Vasc Exposure	Extrapleural enucleation of empyema (empyemectomy)

32810	Thoracic Other/DC and Vasc Exposure	Closure of chest wall following open flap drainage for empyema (Clagett type procedure)
32850	Thoracic Other/DC and Vasc Exposure	Donor pneumonectomy(s) (including cold preservation), from cadaver donor
32851	Thoracic Other/DC and Vasc Exposure	Lung transplant, single; without cardiopulmonary bypass
32852	Thoracic Other/DC and Vasc Exposure	Lung transplant, single; with cardiopulmonary bypass
32853	Thoracic Other/DC and Vasc Exposure	Lung transplant, double (bilateral sequential or en bloc); without cardiopulmonary bypass
32854	Thoracic Other/DC and Vasc Exposure	Lung transplant, double (bilateral sequential or en bloc); with cardiopulmonary bypass
32855	Thoracic Other	Backbench standard preparation of cadaver donor lung allograft prior to transplantation, including dissection of allograft from surrounding soft tissues to prepare pulmonary venous/atrial cuff, pulmonary artery, and bronchus; unilateral
32856	Thoracic Other/DC and Vasc Exposure	Backbench standard preparation of cadaver donor lung allograft prior to transplantation, including dissection of allograft from surrounding soft tissues to prepare pulmonary venous/atrial cuff, pulmonary artery, and bronchus; bilateral
32900	Thoracic Other/DC and Vasc Exposure	Resection of ribs, extrapleural, all stages
32905	Thoracic Other/DC and Vasc Exposure	Thoracoplasty, Schede type or extrapleural (all stages);
32906	Thoracic Other/DC and Vasc Exposure	Thoracoplasty, Schede type or extrapleural (all stages); with closure of bronchopleural fistula
32940	Thoracic Other/DC and Vasc Exposure	Pneumonolysis, extraperiosteal, including filling or packing procedures
32997	Thoracic Other/DC and Vasc Exposure	Total lung lavage (unilateral)
32999	Thoracic Other/DC and Vasc Exposure	Unlisted procedure, lungs and pleura
33800	Thoracic Other/DC and Vasc Exposure	Aortic suspension (aortopexy) for tracheal decompression (eg, for tracheomalacia) (separate procedure)
33802	Thoracic Other/DC and Vasc Exposure	Division of aberrant vessel (vascular ring);
33803	Thoracic Other/DC and Vasc Exposure	Division of aberrant vessel (vascular ring); with reanastomosis
33813	Thoracic Other/DC and Vasc Exposure	Obliteration of aortopulmonary septal defect; without cardiopulmonary bypass
33814	Thoracic Other/DC and Vasc Exposure	Obliteration of aortopulmonary septal defect; with cardiopulmonary bypass
33820	Thoracic Other/DC and Vasc Exposure	Repair of patent ductus arteriosus; by ligation
33824	Thoracic Other/DC and Vasc Exposure	Repair of patent ductus arteriosus; by division, 18 years and older
33840	Thoracic Other/DC and Vasc Exposure	Excision of coarctation of aorta, with or without associated patent ductus arteriosus; with direct anastomosis
33845	Thoracic Other/DC and Vasc Exposure	Excision of coarctation of aorta, with or without associated patent ductus arteriosus; with graft
33851	Thoracic Other/DC and Vasc Exposure	Excision of coarctation of aorta, with or without associated patent ductus arteriosus; repair using either left subclavian artery or prosthetic material as gusset for enlargement
33852	Thoracic Other/DC and Vasc Exposure	Repair of hypoplastic or interrupted aortic arch using autogenous or prosthetic material; without cardiopulmonary bypass
33853	Thoracic Other/DC and Vasc Exposure	Repair of hypoplastic or interrupted aortic arch using autogenous or prosthetic material; with cardiopulmonary bypass
33863	Thoracic Other/DC and Vasc Exposure	Ascending aorta graft, with cardiopulmonary bypass, with aortic root replacement using valved conduit and coronary reconstruction (eg, Bentall)
33910	Thoracic Other/DC and Vasc Exposure	Pulmonary artery embolectomy; with cardiopulmonary bypass
33915	Thoracic Other/DC and Vasc Exposure	Pulmonary artery embolectomy; without cardiopulmonary bypass
33916	Thoracic Other/DC and Vasc Exposure	Pulmonary endarterectomy, with or without embolectomy, with cardiopulmonary bypass
33917	Thoracic Other/DC and Vasc Exposure	Repair of pulmonary artery stenosis by reconstruction with patch or graft
33920	Thoracic Other/DC and Vasc Exposure	Repair of pulmonary atresia with ventricular septal defect, by construction or replacement of conduit from right or left ventricle to pulmonary artery
33922	Thoracic Other/DC and Vasc Exposure	Transection of pulmonary artery with cardiopulmonary bypass

33924	Thoracic Other/DC and Vasc Exposure	Ligation and takedown of a systemic-to-pulmonary artery shunt, performed in conjunction with a congenital heart procedure (List separately in addition to code for primary procedure)
33927	DC and Vasc Exposure/Thoracic Other	Implantation of a total replacement heart system (artificial heart) with recipient cardiectomy
33928	DC and Vasc Exposure/Thoracic Other	Removal and replacement of total replacement heart system (artificial heart)
33929	DC and Vasc Exposure/Thoracic Other	Removal of a total replacement heart system (artificial heart) for heart transplantation (List separately in addition to code for primary procedure)
33930	Thoracic Other/DC and Vasc Exposure	Donor cardiectomy-pneumonectomy (including cold preservation)
33933	Thoracic Other	Backbench standard preparation of cadaver donor heart/lung allograft prior to transplantation, including dissection of allograft from surrounding soft tissues to prepare aorta, superior vena cava, inferior vena cava, and trachea for implantation
33935	Thoracic Other/DC and Vasc Exposure	Heart-lung transplant with recipient cardiectomy-pneumonectomy
33940	Thoracic Other/DC and Vasc Exposure	Donor cardiectomy (including cold preservation)
33944	Thoracic Other	Backbench standard preparation of cadaver donor heart allograft prior to transplantation, including dissection of allograft from surrounding soft tissues to prepare aorta, superior vena cava, inferior vena cava, pulmonary artery, and left atrium for implantation
33945	Thoracic Other/DC and Vasc Exposure	Heart transplant, with or without recipient cardiectomy
33968	Thoracic Other/DC and Vasc Exposure	Removal of intra-aortic balloon assist device, percutaneous
33970	Thoracic Other/Vascular Other/DC and Vasc Exposure	Insertion of intra-aortic balloon assist device through the femoral artery, open approach
33971	Thoracic Other/Vascular Other/DC and Vasc Exposure	Removal of intra-aortic balloon assist device including repair of femoral artery, with or without graft
33973	Thoracic Other/DC and Vasc Exposure	Insertion of intra-aortic balloon assist device through the ascending aorta
33974	Thoracic Other/DC and Vasc Exposure	Removal of intra-aortic balloon assist device from the ascending aorta, including repair of the ascending aorta, with or without graft
33975	Thoracic Other/DC and Vasc Exposure	Insertion of ventricular assist device; extracorporeal, single ventricle
33976	Thoracic Other/DC and Vasc Exposure	Insertion of ventricular assist device; extracorporeal, biventricular
33977	Thoracic Other/DC and Vasc Exposure	Removal of ventricular assist device; extracorporeal, single ventricle
33978	Thoracic Other/DC and Vasc Exposure	Removal of ventricular assist device; extracorporeal, biventricular
33999	Thoracic Other/DC and Vasc Exposure	Unlisted procedure, cardiac surgery
38381	Thoracic Other/DC and Vasc Exposure	Suture and/or ligation of thoracic duct; thoracic approach
38530	Thoracic Other/DC and Vasc Exposure	Biopsy or excision of lymph node(s); open, internal mammary node(s)
38746	Thoracic Other/DC and Vasc Exposure	Thoracic lymphadenectomy by thoracotomy, mediastinal and regional lymphadenectomy (List separately in addition to code for primary procedure)
39000	Thoracic Other/DC and Vasc Exposure	Mediastinotomy with exploration, drainage, removal of foreign body, or biopsy; cervical approach
39499	Thoracic Other/DC and Vasc Exposure	Unlisted procedure, mediastinum
39541	Thoracic Other/DC and Vasc Exposure	Repair, diaphragmatic hernia (other than neonatal), traumatic; chronic
60521	Thoracic Other/DC and Vasc Exposure	Thymectomy, partial or total; sternal split or transthoracic approach, without radical mediastinal dissection (separate procedure)
60522	Thoracic Other/DC and Vasc Exposure	Thymectomy, partial or total; sternal split or transthoracic approach, with radical mediastinal dissection (separate procedure)

Area: THORACIC

Type: PACEMAKER INSERTION

Code	Def Cat	Description
33202	Thoracic Other/DC and Vasc Exposure	Insertion of epicardial electrode(s); open incision (eg, thoracotomy, median sternotomy, subxiphoid approach)
33203	Thoracic Other/DC and Vasc Exposure	Insertion of epicardial electrode(s); endoscopic approach (eg, thoracoscopy, pericardioscopy)

33206	Thoracic Other/DC and Vasc Exposure	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial
33207	Thoracic Other/DC and Vasc Exposure	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); ventricular
33208	Thoracic Other/DC and Vasc Exposure	Insertion of new or replacement of permanent pacemaker with transvenous electrode(s); atrial and ventricular
33210	Thoracic Other/DC and Vasc Exposure	Insertion or replacement of temporary transvenous single chamber cardiac electrode or pacemaker catheter (separate procedure)
33211	Thoracic Other/DC and Vasc Exposure	Insertion or replacement of temporary transvenous dual chamber pacing electrodes (separate procedure)
33212	Thoracic Other/DC and Vasc Exposure	Insertion of pacemaker pulse generator only; with existing single lead
33213	Thoracic Other/DC and Vasc Exposure	Insertion of pacemaker pulse generator only; with existing dual leads
33214	Thoracic Other/DC and Vasc Exposure	Upgrade of implanted pacemaker system, conversion of single chamber system to dual chamber system (includes removal of previously placed pulse generator, testing of existing lead, insertion of new lead, insertion of new pulse generator)
33216	Thoracic Other/DC and Vasc Exposure	Insertion of a single transvenous electrode, permanent pacemaker or implantable defibrillator
33217	Thoracic Other/DC and Vasc Exposure	Insertion of 2 transvenous electrodes, permanent pacemaker or implantable defibrillator
33218	Thoracic Other/DC and Vasc Exposure	Repair of single transvenous electrode, permanent pacemaker or implantable defibrillator
33220	Thoracic Other/DC and Vasc Exposure	Repair of 2 transvenous electrodes for permanent pacemaker or implantable defibrillator
33222	Thoracic Other/DC and Vasc Exposure	Relocation of skin pocket for pacemaker
33223	Thoracic Other/DC and Vasc Exposure	Relocation of skin pocket for implantable defibrillator
33233	Thoracic Other/DC and Vasc Exposure	Removal of permanent pacemaker pulse generator only
33234	Thoracic Other/DC and Vasc Exposure	Removal of transvenous pacemaker electrode(s); single lead system, atrial or ventricular
33235	Thoracic Other/DC and Vasc Exposure	Removal of transvenous pacemaker electrode(s); dual lead system
33236	Thoracic Other/DC and Vasc Exposure	Removal of permanent epicardial pacemaker and electrodes by thoracotomy; single lead system, atrial or ventricular
33237	Thoracic Other/DC and Vasc Exposure	Removal of permanent epicardial pacemaker and electrodes by thoracotomy; dual lead system
33238	Thoracic Other/DC and Vasc Exposure	Removal of permanent transvenous electrode(s) by thoracotomy
33240	Thoracic Other/DC and Vasc Exposure	Insertion of implantable defibrillator pulse generator only; with existing single lead
33241	Thoracic Other/DC and Vasc Exposure	Removal of implantable defibrillator pulse generator only
33243	Thoracic Other/DC and Vasc Exposure	Removal of single or dual chamber implantable defibrillator electrode(s); by thoracotomy
33244	Thoracic Other/DC and Vasc Exposure	Removal of single or dual chamber implantable defibrillator electrode(s); by transvenous extraction
33249	Thoracic Other/DC and Vasc Exposure	Insertion or replacement of permanent implantable defibrillator system, with transvenous lead(s), single or dual chamber

Area: THORACIC

Type: PERICARD WINDOW FOR DRAINAGE-THORACOSCOPY

Code	Def Cat	Description
32659	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, surgical; with creation of pericardial window or partial resection of pericardial sac for drainage
32661	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, surgical; with excision of pericardial cyst, tumor, or mass
32662	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, surgical; with excision of mediastinal cyst, tumor, or mass

Area: THORACIC

Type: PERICARDIECTOMY

Code	Def Cat	Description
33025	Thoracic Other/DC and Vasc Exposure	Creation of pericardial window or partial resection for drainage

33030	Thoracic Other/DC and Vasc Exposure	Pericardiectomy, subtotal or complete; without cardiopulmonary bypass
33031	Thoracic Other/DC and Vasc Exposure	Pericardiectomy, subtotal or complete; with cardiopulmonary bypass

Area: THORACIC

Type: PLEURODESIS-THORACOSCOPIC

Code	Def Cat	Description
32650	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, surgical; with pleurodesis (eg, mechanical or chemical)
32652	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, surgical; with total pulmonary decortication, including intrapleural pneumonolysis
32655	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, surgical; with resection-plication of bullae, includes any pleural procedure when performed
32656	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, surgical; with parietal pleurectomy

Area: THORACIC

Type: REPAIR DIAPH HERNIA

Code	Def Cat	Description
39545	Thoracic Other/DC and Vasc Exposure	Imbrication of diaphragm for eventration, transthoracic or transabdominal, paralytic or nonparalytic
39560	Thoracic Other/DC and Vasc Exposure	Resection, diaphragm; with simple repair (eg, primary suture)
39561	Thoracic Other/DC and Vasc Exposure	Resection, diaphragm; with complex repair (eg, prosthetic material, local muscle flap)
39599	Thoracic Other/DC and Vasc Exposure	Unlisted procedure, diaphragm

Area: THORACIC

Type: SYMPATHECTOMY, THORACOLUMBAR-THORACOSCOP

Code	Def Cat	Description
32664	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, surgical; with thoracic sympathectomy

Area: THORACIC

Type: THORACIC OUTLET DECOMPRESSION PROC

Code	Def Cat	Description
21615	Thoracic Other/DC and Vasc Exposure	Excision first and/or cervical rib;
21616	Thoracic Other/DC and Vasc Exposure	Excision first and/or cervical rib; with sympathectomy
21700	Thoracic Other/DC and Vasc Exposure	Division of scalenus anticus; without resection of cervical rib
21705	Thoracic Other/DC and Vasc Exposure	Division of scalenus anticus; with resection of cervical rib

Area: THORACIC

Type: WEDGE RESECTION LUNG-THORACOSCOPIC

Code	Def Cat	Description
32666	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, surgical; with therapeutic wedge resection (eg, mass, nodule), initial unilateral
32667	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, surgical; with therapeutic wedge resection (eg, mass or nodule), each additional resection, ipsilateral (List separately in addition to code for primary procedure)
32668	Thoracic Other/Laparoscopic - Complex/DC and Vasc Exposure	Thoracoscopy, surgical; with diagnostic wedge resection followed by anatomic lung resection (List separately in addition to code for primary procedure)

Area: PEDIATRIC

Type: ANTIREFLUX PROCEDURE-OPEN (PEDS)

Code	Def Cat	Description
43325	Esophagus/Thoracic Other/Abdominal Other/Pediatric/DC and Vasc Exposure	Esophagogastric fundoplasty, with fundic patch (Thal-Nissen procedure)

43334	DC and Vasc Exposure/Esophagus/Thoracic Other/Pediatric	Repair, paraesophageal hiatal hernia (including fundoplication), via thoracotomy, except neonatal; without implantation of mesh or other prosthesis
43335	DC and Vasc Exposure/Esophagus/Thoracic Other/Pediatric	Repair, paraesophageal hiatal hernia (including fundoplication), via thoracotomy, except neonatal; with implantation of mesh or other prosthesis
43336	DC and Vasc Exposure/Esophagus/Thoracic Other/Abdominal Other/Pediatric	Repair, paraesophageal hiatal hernia, (including fundoplication), via thoracoabdominal incision, except neonatal; without implantation of mesh or other prosthesis
43337	DC and Vasc Exposure/Esophagus/Thoracic Other/Abdominal Other/Pediatric	Repair, paraesophageal hiatal hernia, (including fundoplication), via thoracoabdominal incision, except neonatal; with implantation of mesh or other prosthesis

Area: PEDIATRIC

Type: REPAIR DIAPHRAGMATIC HERNIA

Code	Def Cat	Description
39503	Thoracic Other/Pediatric/DC and Vasc Exposure	Repair, neonatal diaphragmatic hernia, with or without chest tube insertion and with or without creation of ventral hernia

Area: ORTHOPAEDICS

Type: OTHER MAJOR ORTHOPAEDICS

Code	Def Cat	Description
23900	Thoracic Other/DC and Vasc Exposure	Interthoracoscapular amputation (forequarter)
23920	Thoracic Other/DC and Vasc Exposure	Disarticulation of shoulder;
23921	Thoracic Other/DC and Vasc Exposure	Disarticulation of shoulder; secondary closure or scar revision