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| **The Society of Thoracic Surgeons** |
| **General Thoracic Surgery Database Data Collection Form** |
| **Version 2.081** |
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| Revised: December 16, 2009 |

* A Data Collection Form (DCF) should be initiated every time the patient enters the Operating Room (which includes the Endoscopy Suite or Out Patient Surgical Center.)
* Fields that appear **underlined and in blue** are required for record inclusion.

If any of these fields are missing data, the entire record will be excluded from the analysis.

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| **1. Demographics** | | | | | | | | | | | |
| Patient ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  PatID (90) | | | Medical Record #:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  MedRecN (110) | | | | | | | | |
| First Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  PatFName (120) | | | MI:\_\_\_\_\_  PatMInit (130) | | | Last Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  PLName (140) | | | | SSN#:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  SSN (150) | |
| STS Trial Link #:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  STSTLink (160) | | | | | | | | | | | |
| Date of Birth:\_\_\_\_/\_\_\_\_/\_\_\_\_\_\_  DOB (170) | | **Age**: \_\_\_\_\_\_\_\_  Age (180) | | | Patient Zip Code:\_\_\_\_\_\_\_\_\_\_  PostalCode (190) | | | | **Gender**: 🞎 Male 🞎 Female  Gender (200) | | |
| **Race**: S*elect all that apply →* | 🞎 White/Caucasian  RaceCaucasian (210) | | | 🞎 Black/African American  RaceBlack (220) | | | | 🞎 Asian  RaceAsian (240) | | |  |
|  | 🞎 American Indian/Alaskan Native  RaceNativeAm (250) | | | | | | 🞎 Native Hawaiian/Pacific Islander  RacNativePacific (260) | | | |  |
| Hispanic or Latino Ethnicity: 🞎 Yes 🞎 No  Ethnicity (280) | | | | | | |  | | | |  |

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| **2. Admission** | | | | | | | | | | | | |
| **Admission Status**: 🞎 Inpatient 🞎 Outpatient / Observation  AdmissionStat (290) | | | | | | | *If Inpatient* *→* Admission Date: \_\_\_\_/\_\_\_/\_\_\_\_\_  AdmitDt (300) | | | | |  |
| Payor: *Select all that apply ↓* | |  | | | |  | | | | |  | |
|  | 🞎 Government Health Insurance:  PayorGov (310) | |  | | | | |  | |  | | |
| *If Yes: Select all that apply: →* | | | 🞎 Medicare 🞎 Medicaid 🞎 Military Health Care 🞎 State-Specific Plan 🞎 Indian Health Service  PayorGovMcare(320) PayorGovMcaid(350) PayorGovMil(360) PayorGovState(370) PayorGovIHS(380) | | | | | | | | | |
|  | | | | *If Medicare →* | | | Fee For Service? 🞎 Yes 🞎 No  MedicareFFS (330)  Health Insurance Claim (HIC)#:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  HICNumber (340) | | | | | |
|  | 🞎 Commercial Health Insurance  PayorCom (390) | | | | 🞎 Non-U.S. Insured  PayorNonUS (410) | | | | | | | |
|  | 🞎 Health Maintenance Organization  PayorHMO (400) | | | | 🞎 None / Self  PayorNS (420) | | | | | | | |
| Surgeon Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Surgeon (430) | | | | | | | **Surgeon’s National Provider ID**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  SurgNPI (450) | | | | | |
| Taxpayer ID#:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  TIN (460) | | | | | | | Hospital Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  HospName (470) | | | | | |
| Hospital Zip Code:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  HospZIP (490) | | | | | Hospital State:\_\_\_\_\_\_\_\_  HospStat (500) | | | | Hospital’s National Provider ID:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  HospNPI (510) | | | |

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| **3. Pre-Operative Risk Factors** | | | | | | | | | | | | | | | | | | | | | | | |
| Height: \_\_\_\_\_\_\_\_\_\_\_\_(cm)  HeightCm (520) | | | | Weight: \_\_\_\_\_\_\_\_\_\_(kg)  WeightKg (540) | | | | | | | | | | | Wt loss over past 3 months?  *(Enter “0” if none)* \_\_\_\_\_\_\_\_\_\_\_\_\_(kg)  WtLoss3Kg (560) | | | | | | | | |
| 🞎 Hypertension  Hypertn (580) | | | 🞎 Steroids  Steroid (590) | | | | | | 🞎 Congestive Heart Failure (CHF)  CHF (600) | | | | | | | | | | 🞎 Coronary Artery Disease (CAD)  CAD (610) | | | |
| 🞎 Peripheral Vascular Disease (PVD)  PVD (620) | | | | | | | | | 🞎 Prior Cardiothoracic Surgery  PriorCTS (630) | | | | | | | | | | | | | | |
| 🞎 Preoperative chemotherapy *If Yes: When →*  PreopChemoCur (670) PreopChemoCurWhen (680) | | | | | | | | | | | | | | | | | 🞎 <=6 months | | 🞎 >6 months | | | | |
| 🞎 Preoperative Thoracic Radiation Therapy  *If Yes:*  PreopXRT (690) PreopXRTDisWhen (710) | | | | | | | | | | | | | | | | | 🞎 Same disease,<=6 months | | | 🞎 Same disease,>6 months | | | |
|  | | | | | | | | | | | | | | | | | 🞎 Unrelated disease, <=6 months | | | 🞎 Unrelated disease, >6 months | | | |
| Cerebrovascular History  CerebroHx (720) | | | | | | 🞎 No CVD history | | | | | | | | | | | 🞎 Any reversible event | | | 🞎 Any irreversible event | | | |
| Pulmonary Hypertension  PulmHypertn (730) | | | | | | 🞎 Yes 🞎 No 🞎 Not applicable/Not documented | | | | | | | | | | | | | | | |  | |
| 🞎 Diabetes *If Yes,* Type of control  Diabetes (740) | | | | | | 🞎 None  DiabCtrl (750) | | | | | | 🞎 Diet | | | | 🞎 Oral or other non-insulin | | | | 🞎 Insulin | | | |
| 🞎 Creatinine level measured  CreatMeasured (770) | | | | | *If Yes →* Last creatinine level \_\_\_\_\_\_\_\_  CreatLst (780) | | | | | | | | | | | | | | | | | | |
| 🞎 On Dialysis  Dialysis (790) | | | | |  | | | | | | | | | | | | | | | | |  | |
| 🞎 Hemoglobin level measured  HemoglobinMeasured (800) | | | | | *If Yes →* Last hemoglobin level \_\_\_\_\_\_\_\_  HemoglobinLst (810) | | | | | | | | | | | | | | | | |  | |
| 🞎 COPD (Previous diagnosis, treatment, spirometric evidence)  COPD (820) | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 Interstitial Fibrosis  InterstitialFib (830) | | | | | | | | | | | | | | | | | | | | | | | |
| **Cigarette smoking:**  CigSmoking (900) | | 🞎 Never smoked | | | | | | 🞎 Past smoker (stopped >1 month prior to operation) | | | | | | | | | | | | | 🞎 Current smoker | | |
|  | | | | | | | | | | | | | | *If past or current smoker* → Pack-Years ­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_ PackYear (910) | | | | | | | | | |
| **Pulmonary Function Tests performed?**  PFT (960) | | | | | | | | | | | 🞎 Yes 🞎 No  *If Yes:* *↓* | | | | | | | | | | | | |
| **FEV1 test performed**?  FEV (1000) | | | | | | | 🞎 Yes | | | 🞎 No | | | 🞎 Not Applicable | | | | | *If Yes→* **FEV1 % predicted**: \_\_\_\_\_\_\_\_\_  FEVPred (1020) | | | | | |
| DLCO test performed?  DLCO (1030) | | | | | | | 🞎 Yes | | | 🞎 No | | | 🞎 Not Applicable | | | | | *If Yes→* DLCO % predicted: \_\_\_\_\_\_\_\_\_  DLCOPred (1040) | | | | | |
| **Zubrod Score:**  Zubrod (1050) | 🞎 0 - Normal activity, no symptoms | | | | | | | | | | | | | 🞎 1 - Symptoms, fully ambulatory | | | | | | | | | |
| 🞎 2 - Symptoms, in bed <=50% of time | | | | | | | | | | | | | 🞎 3 - Symptoms, in bed >50% but <100% | | | | | | | | | |
| 🞎 4 - Bedridden | | | | | | | | | | | | | 🞎 5 - Moribund | | | | | | | | | |

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| **4. Procedures** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Category of Disease:** *Check both* ***Primary*** *and Secondary category. Indicate (circle) the Primary category.*  CategoryPrim (1070) CategorySecond (1080) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Trachea** | | | | | | | | |  | | | | **Mediastinum** | | | | | | | | | | | | | | | | | |
| □ Tracheomalacia-congenital 748.3 | | | | | | | | |  | | | | □ Mediastinitis 519.2 | | | | | | | | | | | | | | | | | |
| □ Tracheomalacia-acquired 519.1 | | | | | | | | |  | | | | □ Mediastinal nodes, metastatic 196.1 | | | | | | | | | | | | | | | | | |
| □ Tracheostenosis-congenital 748.3 | | | | | | | | |  | | | | □ Mediastinal nodes, benign 229.0 | | | | | | | | | | | | | | | | | |
| □ Tracheostenosis-acquired (postintubation) 519.1 | | | | | | | | |  | | | | □ Anterior mediastinal tumor primary (germ cell cancer, seminoma) 164.2 | | | | | | | | | | | | | | | | | |
| □ Tracheostomy-hemorrhage 519.09 | | | | | | | | |  | | | | □ Anterior mediastinal tumor-metastatic 197.1 | | | | | | | | | | | | | | | | | |
| □ Tracheostomy related stenosis 519.02 | | | | | | | | |  | | | | □ Anterior mediastinal tumor-benign-(e.g. teratoma) 212.5 | | | | | | | | | | | | | | | | | |
| □ Tracheal tumor, malignant 162.0 | | | | | | | | |  | | | | □ Anterior mediastinal tumor-thymus tumor (thymoma, thymic carcinoma) 164.0 | | | | | | | | | | | | | | | | | |
| □ Tracheal tumor, benign 212.2 | | | | | | | | |  | | | | □ Lymphoma, intrathoracic 202.82 | | | | | | | | | | | | | | | | | |
| □ Tracheal tumor, metastatic 197.3 | | | | | | | | |  | | | | □ Posterior mediastinal malignant tumor- primary 164.3 | | | | | | | | | | | | | | | | | |
|  | | | | | | | | |  | | | | □ Posterior mediastinal tumor-metastatic 197.1 | | | | | | | | | | | | | | | | | |
| **Larynx** | | | | | | | | |  | | | | □ Posterior mediastinal tumor-benign (ie; neurogenic tumor) 212.5 | | | | | | | | | | | | | | | | | |
| □ Subglottic stenosis-congenital 748.3 | | | | | | | | |  | | | | □ Myasthenia gravis 358.0 | | | | | | | | | | | | | | | | | |
| □ Subglottic stenosis-acquired (postintubation) 478.74 | | | | | | | | |  | | | | □ Mediastinal cyst, Bronchogenic - 519.3 | | | | | | | | | | | | | | | | | |
| □ Vocal cord paralysis 748.3 | | | | | | | | |  | | | | □ Mediastinal cyst, Foregut duplication - 519.3 | | | | | | | | | | | | | | | | | |
|  | | | | | | | | |  | | | | □ Mediastinal cyst, Pericardial - 519.3 | | | | | | | | | | | | | | | | | |
| **Lung** | | | | | | | | |  | | | | □ Mediastinal cyst, Thymic - 519.3 | | | | | | | | | | | | | | | | | |
| □ Lung tumor, metastatic 197.0 | | | | | | | | |  | | | |  | | | | | | | | | | | | | | | | | |
| □ Lung tumor, benign 212.3 | | | | | | | | |  | | | | **Pleura** | | | | | | | | | | | | | | | | | |
| □ Lung cancer, main bronchus, carina 162.2 | | | | | | | | |  | | | | □ Pleural effusion (sterile) 511.9 | | | | | | | | | | | | | | | | | |
| □ Lung cancer, upper lobe 162.3 | | | | | | | | |  | | | | □ Pleural effusion, infected- (empyema) 511.1 | | | | | | | | | | | | | | | | | |
| □ Lung cancer, middle lobe 162.4 | | | | | | | | |  | | | | □ Pleural effusion, malignant 197.2 | | | | | | | | | | | | | | | | | |
| □ Lung cancer, lower lobe 162.5 | | | | | | | | |  | | | | □ Pleural tumor, malignant (e.g., mesothelioma) 163.9 | | | | | | | | | | | | | | | | | |
| □ Lung cancer, location unspecified 162.9 | | | | | | | | |  | | | | □ Pleural tumor, metastatic 197.2 | | | | | | | | | | | | | | | | | |
| □ Lung abscess 513.0 | | | | | | | | |  | | | | □ Pleural tumor, benign 212.4 | | | | | | | | | | | | | | | | | |
| □ Pneumothorax 512.8 | | | | | | | | |  | | | | □ Pleural thickening 511.0 | | | | | | | | | | | | | | | | | |
| □ Bronchiectasis 494.0 | | | | | | | | |  | | | |  | | | | | | | | | | | | | | | | | |
| □ Empyema with fistula 510.0 | | | | | | | | |  | | | | **Chest Wall** | | | | | | | | | | | | | | | | | |
| □ Empyema without fistula 510.9 | | | | | | | | |  | | | | □ Pectus excavatum 754.81 | | | | | | | | | | | | | | | | | |
| □ Emphysema 492.8 | | | | | | | | |  | | | | □ Pectus carinatum 754.82 | | | | | | | | | | | | | | | | | |
| □ Emphysematous bleb 492.0 | | | | | | | | |  | | | | □ Sternal tumor, malignant 170.3 | | | | | | | | | | | | | | | | | |
| □ Interstitial lung disease/fibrosis 516.3 | | | | | | | | |  | | | | □ Sternal tumor, metastatic 198.5 | | | | | | | | | | | | | | | | | |
| □ Pneumonia 486 | | | | | | | | |  | | | | □ Sternal tumor, benign 213.3 | | | | | | | | | | | | | | | | | |
| □ Pulmonary insufficiency following surgery/trauma | | | | | | | | |  | | | | □ Rib tumor, malignant-(e.g., osteosarcoma, chondrosarcoma) 170.3 | | | | | | | | | | | | | | | | | |
| (ARDS) 518.5 | | | | | | | | |  | | | | □ Rib tumor, metastatic 198.5 | | | | | | | | | | | | | | | | | |
| □ Hemothorax 511.8 | | | | | | | | |  | | | | □ Rib tumor, benign-(e.g., fibrous dysplasia) 213.3 | | | | | | | | | | | | | | | | | |
| □ Lung nodule, benign (not a tumor, e.g., granuloma, | | | | | | | | |  | | | | □ Thoracic outlet syndrome 353.0 | | | | | | | | | | | | | | | | | |
| subpleural lymph node, pulmonary infarct) 518.89 | | | | | | | | |  | | | |  | | | | | | | | | | | | | | | | | |
|  | | | | | | | | |  | | | | **Diaphragm** | | | | | | | | | | | | | | | | | |
| **Esophagus** | | | | | | | | |  | | | | □ Diaphragmatic paralysis 519.4 | | | | | | | | | | | | | | | | | |
| □ Esophageal cancer-lower third 150.5 | | | | | | | | |  | | | | □ Diaphragm tumor, malignant 171.4 | | | | | | | | | | | | | | | | | |
| □ Esophageal cancer, middle third 150.4 | | | | | | | | |  | | | | □ Diaphragm tumor, metastatic 198.89 | | | | | | | | | | | | | | | | | |
| □ Esophageal cancer, upper third 150.3 | | | | | | | | | |  | | | | □ Diaphragm tumor, benign 215.4 | | | | | | | | | | | | | | | | |
| □ Esophageal cancer, esophagogastric junction (cardia) | | | | | | | | | |  | | | |  | | | | | | | | | | | | | | | | |
| 151.0 | | | | | | | | | |  | | | | **Trauma** | | | | | | | | | | | | | | | | |
| □ Esophageal tumor-benign (ie;leiomyoma) 211.0 | | | | | | | | | |  | | | | □ Rib fracture 807.0 | | | | | | | | | | | | | | | | |
| □ Esophageal stricture 530.3 | | | | | | | | | |  | | | | □ Sternal fracture 807.2 | | | | | | | | | | | | | | | | |
| □ Barrett’s esophagus 530.85 | | | | | | | | | |  | | | | □ Flail chest 807.4 | | | | | | | | | | | | | | | | |
| □ Achalasia of esophagus 530.0 | | | | | | | | | |  | | | | □ Tracheal injury 807.5 | | | | | | | | | | | | | | | | |
| □ Esophageal perforation 530.4 | | | | | | | | | |  | | | | □ Traumatic pneumothorax 860.0 | | | | | | | | | | | | | | | | |
| □ Zenkers diverticulum 530.6 | | | | | | | | | |  | | | | □ Traumatic hemothorax 860.2 | | | | | | | | | | | | | | | | |
| □ Epiphrenic diverticulum 530.4 | | | | | | | | | |  | | | | □ Traumatic hemopneumothorax 860.4 | | | | | | | | | | | | | | | | |
| □ Gastroesophageal reflux (GERD) 530.81 | | | | | | | | | |  | | | | □ Lung contusion 861.21 | | | | | | | | | | | | | | | | |
| □ Tracheoesophageal fistula 530.84 | | | | | | | | | |  | | | | □ Lung laceration 861.22 | | | | | | | | | | | | | | | | |
| □ Acquired pyloric stenosis 537.0 | | | | | | | | | |  | | | | □ Diaphragm injury 862.0 | | | | | | | | | | | | | | | | |
| □ Acquired absence of esophagus (i.e.; post | | | | | | | | | |  | | | | □ Esophageal injury 862.22 | | | | | | | | | | | | | | | | |
| esophagectomy) V45.79 | | | | | | | | | |  | | | | □ Bronchus injury 862.21 | | | | | | | | | | | | | | | | |
|  | | | | | | | | | |  | | | |  | | | | | | | | | | | | | | | | |
| **Thyroid** | | | | | | | | | |  | | | | **Cardiovascular** | | | | | | | | | | | | | | | | |
| □ Goiter, nodular 241.9 | | | | | | | | | |  | | | | □ Pericarditis with effusion 420.90 | | | | | | | | | | | | | | | | |
| □ Thyroid neoplasm, malignant 193 | | | | | | | | | |  | | | | □ Pericardial effusion, malignant 198.89 | | | | | | | | | | | | | | | | |
| □ Thyroid neoplasm, benign 226 | | | | | | | | | |  | | | | □ SVC Syndrome 459.2 | | | | | | | | | | | | | | | | |
|  | | | | | | | | | |  | | | |  | | | | | | | | | | | | | | | | |
|  | | | | | | | | | |  | | | | **Miscellaneous** | | | | | | | | | | | | | | | | |
|  | | | | | | | | | |  | | | | □ Hyperhidrosis, focal (e.g., palmaror axillary hyperhidrosis) 705.21 | | | | | | | | | | | | | | | | |
|  | | | | | | | | | |  | | | | □ Lymphadenopathy 785.6 | | | | | | | | | | | | | | | | |
|  | | | | | | | | | |  | | | | □ Abnormal radiologic finding 793.1 | | | | | | | | | | | | | | | | |
| **Date of Surgery**:\_\_\_\_\_\_/\_\_\_\_\_\_/\_\_\_\_\_\_\_  SurgDt (1100) | | | | | | | |  | | | | | | | | | | | | | | | | | | | | |  | |
| **OR Entry Time**: \_\_\_\_\_\_:\_\_\_\_\_\_\_  OREntryT (1110) | | | | | | Anesthesia Start Time: \_\_\_\_\_\_:\_\_\_\_\_\_\_  AnesthStartT (1130) | | | | | | | | | | | | | | | | | | | | | | **Procedure Start Time**: \_\_\_\_\_\_:\_\_\_\_\_\_\_  ProcStartT (1170) | | |
| **OR Exit Time**: \_\_\_\_\_\_:\_\_\_\_\_\_\_  ORExitT (1120) | | | | | | Anesthesia End Time: \_\_\_\_\_\_\_:\_\_\_\_\_\_\_  AnesthEndT (1140) | | | | | | | | | | | | | | | | | | | | | | **Procedure End Time**: \_\_\_\_\_\_\_:\_\_\_\_\_\_\_  ProcEndT (1180) | | |
| 🞎 Multi-Day Operation (operation continued through midnight)  MultiDay (1190) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Status of Operation: 🞎 Emergent 🞎 Urgent 🞎 Elective  Status (1200) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 Reoperation (any prior cardiothoracic surgery that affects operative field)  Reop (1210) | | | | | | | | | | | | | | | | | | | | | | | | | | | 🞎 Assisted by Robotic Technology  Robotic (1220) | | | |
| 🞎 Blood transfusion intraoperatively (packed red blood cells)  IntraopPRBC (1240) | | | | | | | | | | | | | | *If Yes→* #Red Blood Cell Units: \_\_\_\_\_\_\_\_\_  IntraopPRBCNum (1250) | | | | | | | | | | | | | | | | |
| **ASA Classification:**  ASA (1260) | | 🞎 I 🞎 II 🞎 III 🞎 IV 🞎 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Check ALL of the procedures attempted.**  *Indicate (circle) the Primary Procedure.*  Proc (1270) Primary (1280) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Chest Wall and Neck** | | | | | | | | | | | | | | | | | | | | | |  | | | **Pleural Space and Lung** | | | | | |
| □ Muscle flap, neck (15732) | | | | | | | | | | | | | | | | | | | | | |  | | | □ Thoracostomy; with rib resection for empyema (32035) | | | | | |
| □ Muscle flap; trunk (i.e.; intercostal, pectoralis or serratus muscle) (15734) | | | | | | | | | | | | | | | | | | | | | |  | | | □ Thoracostomy; with open flap drainage for empyema (32036) | | | | | |
| □ Excision of chest wall tumor including ribs (19260) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Thoracotomy, limited, for biopsy of lung or pleura (i.e.; open lung | | | | | |
| □ Excision of chest wall tumor involving ribs, with Reconstruction (19271) | | | | | | | | | | | | | | | | | | |  | | | | | | biopsy) (32095) | | | | | |
| □ Excision tumor, soft tissue of neck or thorax; subcutaneous (21555) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Thoracotomy, major; with exploration and biopsy (32100) | | | | | |
| □ Excision tumor, soft tissue of neck or thorax; deep, subfascial, | | | | | | | | | | | | | | | | | | |  | | | | | | □ Thoracotomy, major; with control of traumatic hemorrhage | | | | | |
| intramuscular (21556) | | | | | | | | | | | | | | | | | | |  | | | | | | and/or repair of lung tear (32110) | | | | | |
| □ Radical resection of tumor (e.g., malignant neoplasm), soft tissue of | | | | | | | | | | | | | | | | | | |  | | | | | | □ Thoracotomy, major; for postoperative complications (32120) | | | | | |
| neck or thorax (21557) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Thoracotomy, major; with cyst(s) removal, with or | | | | | |
| □ Excision of rib, partial (21600) | | | | | | | | | | | | | | | | | | |  | | | | | | without a pleural procedure (32140) | | | | | |
| □ Excision first and/or cervical rib (21615) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Thoracotomy, major; with excision-plication of bullae, | | | | | |
| □ Excision first and/or cervical rib; with sympathectomy (21616) | | | | | | | | | | | | | | | | | | |  | | | | | | with or without any pleural procedure (32141) | | | | | |
| □ Radical resection of sternum (21630) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Thoracotomy, major; with removal of intrapleural foreign | | | | | |
| □ Radical resection of sternum; with mediastinal | | | | | | | | | | | | | | | | | | |  | | | | | | body or hematoma (32150) | | | | | |
| Lymphadenectomy (21632) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Thoracotomy with cardiac massage (32160) | | | | | |
| □ Hyoid myotomy and suspension (21685) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Pleural scarification for repeat pneumothorax (32215) | | | | | |
| □ Division of scalenus anticus; without resection of cervical rib (21700) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Decortication, pulmonary- total (32220) | | | | | |
| □ Division of scalenus anticus; with resection of cervical rib (21705) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Decortication, pulmonary, partial (32225) | | | | | |
| □ Reconstructive repair of pectus excavatum or carinatum; open (21740) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Pleurectomy, parietal (32310) | | | | | |
| □ Reconstructive repair of pectus, minimally invasive approach | | | | | | | | | | | | | | | | | | |  | | | | | | □ Decortication and parietal pleurectomy (32320) | | | | | |
| (Nuss procedure), without thoracoscopy (21742) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Biopsy, pleura; open (32402) | | | | | |
| □ Reconstructive repair of pectus, minimally invasive approach | | | | | | | | | | | | | | | | | | |  | | | | | | □ Removal of lung, total pneumonectomy (32440) | | | | | |
| (Nuss procedure), with thoracoscopy (21743) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Removal of lung, sleeve (carinal) pneumonectomy (32442) | | | | | |
| □ Open treatment of sternum fracture with or without skeletal | | | | | | | | | | | | | | | | | | |  | | | | | | □ Removal of lung, total pneumonectomy; extrapleural (32445) | | | | | |
| Fixation (21825) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Removal of lung, single lobe (lobectomy) (32480) | | | | | |
| □ Unlisted procedure, neck or thorax (21899) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Removal of lung, two lobes (bilobectomy) (32482) | | | | | |
|  | | | | | | | | | | | | | | | | | | |  | | | | | | □ Removal of lung, single segment (segmentectomy) (32484) | | | | | |
| **Trachea and Bronchi** | | | | | | | | | | | | | | | | | | |  | | | | | | □ Removal of lung, sleeve lobectomy (32486) | | | | | |
| □ Tracheoplasty; cervical (31750) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Removal of lung, completion pneumonectomy) (32488) | | | | | |
| □ Tracheoplasty; intrathoracic (31760) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Removal of lung, excision-plication of emphysematous | | | | | |
| □ Carinal reconstruction (31766) | | | | | | | | | | | | | | | | | | |  | | | | | | lung(s) for lung volume reduction (LVRS) (32491) | | | | | |
| □ Bronchoplasty; excision stenosis and anastomosis (31775) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Removal of lung, wedge resection, single or multiple (32500) | | | | | |
| □ Excision tracheal stenosis and anastomosis; cervical (31780) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Resection and repair of portion of bronchus (bronchoplasty) | | | | | |
| □ Excision tracheal stenosis and anastomosis; cervicothoracic (31781) | | | | | | | | | | | | | | | | | | |  | | | | | | when performed at time of lobectomy or Segmentectomy (32501) | | | | | |
| □ Excision of tracheal tumor or carcinoma; cervical (31785) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Resection of apical lung tumor (e.g., Pancoast tumor), including | | | | | |
| □ Excision of tracheal tumor or carcinoma; thoracic (31786) | | | | | | | | | | | | | | | | | | |  | | | | | | chest wall resection, without chest wall reconstruction (32503) | | | | | |
| □ Suture of tracheal wound or injury; cervical (31800) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Resection of apical lung tumor (e.g., Pancoast tumor), including | | | | | |
| □ Suture of tracheal wound or injury; intrathoracic (31805) | | | | | | | | | | | | | | | | | | |  | | | | | | chest wall resection, with chest wall reconstruction (32504) | | | | | |
| □ Unlisted procedure, trachea, bronchi (31899) | | | | | | | | | | | | | | | | | | |  | | | | | | □ Extrapleural enucleation of empyema (empyemectomy) (32540) | | | | | |
|  | | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | |
| **Thoracoscopy (VATS)** | | | | | | | | | | | | | | | | | | |  | | | | | | **Bronchoscopy** | | | | | |
| □ Thoracoscopy, diagnostic lungs and pleural space, without | | | | | | | | | | | | | | | | | | |  | | | | | | □ Tracheobronchoscopy through established tracheostomy | | | | | |
| biopsy (32601) | | | | | | | | | | | | | | |  | | | | | | | | | | Incision (31615) | | | | | |
| □ Thoracoscopy, diagnostic lungs and pleural space, with biopsy (32602) | | | | | | | | | | | | | | | | | | | | | |  | | | □ Endobronchial ultrasound (EBUS) during bronchoscopic | | | | | |
| □ Thoracoscopy, diagnostic pericardial sac, without biopsy (32603) | | | | | | | | | | | | | | |  | | | | | | | | | | diagnostic or therapeutic intervention(s) (31620) | | | | | |
| □ Thoracoscopy, diagnostic pericardial sac, with biopsy (32604) | | | | | | | | | | | | | | | |  | | | | | | | | | □ Bronchoscopy, diagnostic, with or without cell washing (31622) | | | | | |
| □ Thoracoscopy, diagnostic mediastinal space, without biopsy (32605) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Bronchoscopy, with brushing or protected brushings (31623) | | | | | |
| □ Thoracoscopy, diagnostic); mediastinal space, with biopsy (32606) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Bronchoscopy, with bronchial alveolar lavage (BAL) (31624) | | | | | |
| □ Thoracoscopy, surgical; with pleurodesis (e.g., mechanical or | | | | | | | | | | | | | | |  | | | | | | | | | | □ Bronchoscopy, with bronchial or endobronchial biopsy(s), | | | | | |
| chemical) (32650) | | | | | | | | | | | | | | |  | | | | | | | | | | single or multiple sites (31625) | | | | | |
| □ Thoracoscopy, surgical; with partial pulmonary decortication (32651) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Bronchoscopy, with transbronchial lung biopsy(s), single | | | | | |
| □ Thoracoscopy, surgical; with total pulmonary decortication (32652) | | | | | | | | | | | | | | |  | | | | | | | | | | Lobe (31628) | | | | | |
| □ Thoracoscopy, surgical; with removal of intrapleural foreign | | | | | | | | | | | | | | |  | | | | | | | | | | □ Bronchoscopy, with transbronchial needle aspiration | | | | | |
| body or fibrin deposit (32653) | | | | | | | | | | | | | | |  | | | | | | | | | | biopsy(s) (31629) | | | | | |
| □ Thoracoscopy, surgical; with control of traumatic hemorrhage (32654) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Bronchoscopy, with tracheal/bronchial dilation or closed | | | | | |
| □ Thoracoscopy, surgical; with excision-plication of bullae, including | | | | | | | | | | | | | | |  | | | | | | | | | | reduction of fracture (31630) | | | | | |
| any pleural procedure (32655) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Bronchoscopy, with placement of tracheal stent(s) (includes | | | | | |
| □ Thoracoscopy, surgical; with parietal pleurectomy (32656) | | | | | | | | | | | | | | |  | | | | | | | | | | tracheal/bronchial dilation as required) (31631) | | | | | |
| □ Thoracoscopy, surgical; with wedge resection of lung, single | | | | | | | | | | | | | | |  | | | | | | | | | | □ Bronchoscopy, with transbronchial lung biopsy(s), each | | | | | |
| or multiple (32657) | | | | | | | | | | | | | | |  | | | | | | | | | | additional lobe (31632) | | | | | |
| □ Thoracoscopy, surgical; with removal of clot or foreign body from | | | | | | | | | | | | | | |  | | | | | | | | | | □ Bronchoscopy, with transbronchial needle aspiration biopsy(s), | | | | | |
| pericardial sac (32658) | | | | | | | | | | | | | | |  | | | | | | | | | | each additional lobe (31633) | | | | | |
| □ Thoracoscopy, surgical; with creation of pericardial window or | | | | | | | | | | | | | | |  | | | | | | | | | | □ Bronchoscopy, with removal of foreign body (31635) | | | | | |
| partial resection of pericardial sac for drainage (32659) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Bronchoscopy, with placement of bronchial stent(s) (includes | | | | | |
| □ Thoracoscopy, surgical; with total pericardiectomy (32660) | | | | | | | | | | | | | | |  | | | | | | | | | | tracheal/bronchial dilation as required), initial bronchus (31636) | | | | | |
| □ Thoracoscopy, surgical; with excision of pericardial cyst, | | | | | | | | | | | | | | |  | | | | | | | | | | □ Bronchoscopy, each additional major bronchus stented (31637) | | | | | |
| tumor, or mass (32661) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Bronchoscopy, with revision of tracheal or bronchial stent | | | | | |
| □ Thoracoscopy, surgical; with excision of mediastinal cyst, | | | | | | | | | | | | | | |  | | | | | | | | | | inserted at previous session (31638) | | | | | |
| tumor, or mass (32662) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Bronchoscopy, with excision of tumor (31640) | | | | | |
| □ Thoracoscopy, surgical; with lobectomy, total or segmental (32663) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Bronchoscopy, with destruction of tumor or relief of stenosis by | | | | | |
| □ Thoracoscopy, surgical; with thoracic sympathectomy (32664) | | | | | | | | | | | | | | |  | | | | | | | | | | any method other than excision (e.g., laser therapy) (31641) | | | | | |
| □ Thoracoscopy, surgical; with esophagomyotomy (Heller type) (32665) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Bronchoscopy, with placement of catheter(s) for intracavitary | | | | | |
|  | | | | | | | | | | | | | | |  | | | | | | | | | | radioelement application (31643) | | | | | |
| **Lung Other** | | | | | | | | | | | | | | |  | | | | | | | | | | □ Bronchoscopy,with therapeutic aspiration of tracheobronchial | | | | | |
| □ Insertion indwelling tunneled pleural catheter (32550) | | | | | | | | | | | | | | |  | | | | | | | | | | tree, initial (e.g., V2\_0\_17, drainage of lung abscess) (31645) | | | | | |
| □ Repair lung hernia through chest wall (32800) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Bronchoscopy, with therapeutic aspiration of tracheobronchial | | | | | |
| □ Closure of chest wall following open flap drainage for empyema | | | | | | | | | | | | | | |  | | | | | | | | | | tree, subsequent (31646) | | | | | |
| (Clagett type procedure) (32810) | | | | | | | | | | | | | | |  | | | | | | | | | |  | | | | | |
| □ Open closure of major bronchial fistula (32815) | | | | | | | | | | | | | | |  | | | | | | | | | | **Mediastinum and Diaphragm** | | | | | |
| □ Major reconstruction, chest wall (posttraumatic) (32820) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Thoracic lymphadenectomy, regional, including mediastinal | | | | | |
| □ Thoracoplasty with closure of bronchopleural fistula (32906) | | | | | | | | | | | | | | |  | | | | | | | | | | and peritracheal nodes (38746) | | | | | |
| □ Total lung lavage (for alveolar protenosis) (32997) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Mediastinotomy with exploration or biopsy; cervical | | | | | |
| □ Radio-frequency ablation (RFA) lung tumor (32998) | | | | | | | | | | | | | | |  | | | | | | | | | | approach (39000) | | | | | |
| □ Single lung transplant (32851) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Mediastinotomy with exploration or biopsy; transthoracic | | | | | |
| □ Single lung transplant with CPB (32852) | | | | | | | | | | | | | | |  | | | | | | | | | | approach (39010) | | | | | |
| □ Double lung transplant (32853) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Excision of mediastinal cyst (39200) | | | | | |
| □ Double lung transplant with CPB (32854) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Excision of mediastinal tumor (39220) | | | | | |
| □ Unlisted procedure, lung (32999) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Mediastinoscopy, with or without biopsy (39400) | | | | | |
|  | | | | | | | | | | | | | | |  | | | | | | | | | | □ Unlisted procedure, mediastinum (39499) | | | | | |
| **Thymus** | | | | | | | | | | | | | | |  | | | | | | | | | | □ Repair, laceration of diaphragm, any approach (39501) | | | | | |
| □ Thymectomy, transcervical approach (60520) | | | | | | | | | | | | | | |  | | | | | | | | | | □ Repair of paraesophageal hiatus hernia, transabdominal with or | | | | | |
| □ Thymectomy, transthoracic approach (60521) | | | | | | | | | | | | | | |  | | | | | | | | | | without fundoplasty (39502) | | | | | |
| □ Thymectomy, transthoracic approach, with radical mediastinal | | | | | | | | | | | | | | |  | | | | | | | | | | □ Repair, diaphragmatic hernia (other than neonatal), traumatic; | | | | | |
| dissection (60522) | | | | | | | | | | | | | | |  | | | | | | | | | | acute (39540) | | | | | |
| □ VATS thymectomy (605XX) | | | | | | | | | | | | | | | | | |  | | | | | | □ Repair, diaphragmatic hernia (other than neonatal), traumatic; | | | | | | |
|  | | | | | | | | | | | | | | | | | |  | | | | | | chronic (39541) | | | | | | |
| **Esophagus** | | | | | | | | | | | | | | | | | |  | | | | | | □ Imbrication (i.e.; plication) of diaphragm (39545) | | | | | | |
| □ Transhiatal-Total esophagectomy, without thoracotomy, with | | | | | | | | | | | | | | | | | |  | | | | | | □ Resection, diaphragm; with simple repair (e.g., primary suture) | | | | | | |
| cervical esophagogastrostomy (43107) | | | | | | | | | | | | | | | | | |  | | | | | | (39560) | | | | | | |
| □ Three hole-Total esophagectomy with thoracotomy; with | | | | | | | | | | | | | | | | | |  | | | | | | □ Resection, diaphragm; with complex repair (e.g., prosthetic | | | | | | |
| cervical esophagogastrostomy (43112) | | | | | | | | | | | | | | | | | |  | | | | | | material, local muscle flap) (39561) | | | | | | |
| □ Ivor Lewis-Partial esophagectomy, distal two-thirds, with | | | | | | | | | | | | | | | | | |  | | | | | | □ Unlisted procedure, diaphragm (39599) | | | | | | |
| thoracotomy and separate abdominal incision (43117) | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | | |
| □ Thoracoabdominal-Partial esophagectomy, thoracoabdominal | | | | | | | | | | | | | | | | | |  | | | | | | **Esophagus – other procedures** | | | | | | |
| approach (43122) | | | | | | | | | | | | | | | | | |  | | | | | | □ Cricopharyngeal myotomy (43030) | | | | | | |
| □ Minimally invasive esophagectomy, Ivor Lewis approach (43XXX) | | | | | | | | | | | | | | | | | |  | | | | | | □ Diverticulectomy of hypopharynx or esophagus, with or | | | | | | |
| □ Minimally invasive esophagectomy, Abdominal and neck | | | | | | | | | | | | | | | | | |  | | | | | | without myotomy; cervical approach (43130) | | | | | | |
| approach (43XXX) | | | | | | | | | | | | | | | | | |  | | | | | | □ Diverticulectomy of hypopharynx or esophagus, with or | | | | | | |
| □ Total esophagectomy without thoracotomy; with colon | | | | | | | | | | | | | | | | | |  | | | | | | without myotomy; thoracic approach (43135) | | | | | | |
| interposition or small intestine reconstruction (43108) | | | | | | | | | | | | | | | | | |  | | | | | | □ Laparoscopy, surgical, esophagogastric fundoplasty (e.g., | | | | | | |
| □ Total esophagectomy with thoracotomy; with colon | | | | | | | | | | | | | | | | | |  | | | | | | Nissen, Toupet procedures) (43280) | | | | | | |
| interposition or small intestine reconstruction (43113) | | | | | | | | | | | | | | | | | |  | | | | | | □ Laparoscopic esophageal myotomy (432XX) | | | | | | |
| □ Partial esophagectomy, cervical, with free intestinal graft, | | | | | | | | | | | | | | | | | |  | | | | | | □ Esophagogastric fundoplasty (e.g., Nissen, Belsey IV, Hill | | | | | | |
| including microvascular anastomosis (43116) | | | | | | | | | | | | | | | | | |  | | | | | | procedures) (43324) | | | | | | |
| □ Partial esophagectomy, with thoracotomy and separate | | | | | | | | | | | | | | | | | |  | | | | | | □ Esophagogastric fundoplasty; with gastroplasty (e.g., Collis) | | | | | | |
| abdominal incision with colon interposition or small intestine (43118) | | | | | | | | | | | | | | | |  | | | | | | | | (43326) | | | | | | |
| □ Partial esophagectomy, distal two-thirds, with thoracotomy only (43121) | | | | | | | | | | | | | | | | | | | | |  | | | □ Esophagomyotomy (Heller type); thoracic approach (43331) | | | | | | |
| □ Partial esophagectomy, thoracoabdominal with colon | | | | | | | | | | | | | | | | | |  | | | | | | □ Esophagostomy, fistulization of esophagus, external; | | | | | | |
| interposition or small intestine (43123) | | | | | | | | | | | | | | | | | |  | | | | | | cervical approach (43352) | | | | | | |
| □ Total or partial esophagectomy, without reconstruction with | | | | | | | | | | | | | | | | | |  | | | | | | □ Gastrointestinal reconstruction for previous esophagectomy | | | | | | |
| cervical esophagostomy (43124) | | | | | | | | | | | | | | | | | |  | | | | | | with stomach (43360) | | | | | | |
|  | | | | | | | | | | | | | | | | | |  | | | | | | □ Gastrointestinal reconstruction for previous esophagectomy | | | | | | |
| **Esophagoscopy** | | | | | | | | | | | | | | | |  | | | | | | | | with colon interposition or small intestine (43361) | | | | | | |
| □ Esophagoscopy (43200) | | | | | | | | | | | | | | | | | |  | | | | | | □ Ligation or stapling at gastroesophageal junction for pre-existing | | | | | | |
| □ Esophagoscopy with biopsy (43202) | | | | | | | | | | | | | | | | | |  | | | | | | esophageal perforation (43405) | | | | | | |
| □ Esophagoscopy with removal of foreign body (43215) | | | | | | | | | | | | | | | | | |  | | | | | | □ Suture of esophageal wound or injury; cervical approach (43410) | | | | | | |
| □ Esophagoscopy with insertion of stent (43219) | | | | | | | | | | | | | | | | | |  | | | | | | □ Suture of esophageal wound or injury; transthoracic or | | | | | | |
| □ Esophagoscopy with balloon dilation (43220) | | | | | | | | | | | | | | | | | |  | | | | | | transabdominal approach (43415) | | | | | | |
| □ Esophagoscopy with insertion of guide wire followed by dilation | | | | | | | | | | | | | | | | | |  | | | | | | □ Closure of esophagostomy or fistula; cervical approach (43420) | | | | | | |
| over guide wire (43226) | | | | | | | | | | | | | | | | | |  | | | | | | □ Free jejunum transfer with microvascular anastomosis (43496) | | | | | | |
| □ Esophagoscopy with ablation of tumor (43228) | | | | | | | | | | | | | | | |  | | | | | | | | □ Total gastrectomy with esophagoenterostomy (43620) | | | | | | |
| □ Esophagoscopy with endoscopic ultrasound examination (EUS) (43231) | | | | | | | | | | | | | | | | | | | |  | | | | □ Total gastrectomy with Roux-en-Y reconstruction (43621) | | | | | | |
| □ Esophagoscopy with transendoscopic ultrasound-guided fine | | | | | | | | | | | | | | | | | |  | | | | | | □ Unlisted procedure, esophagus (43499) | | | | | | |
| needle aspiration (43232) | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | | |
| □ Upper gastrointestinal endoscopy, diagnostic (43235) | | | | | | | | | | | | | | | | | |  | | | | | | **Miscellaneous** | | | | | | |
| □ Upper gastrointestinal endoscopy with endoscopic ultrasound | | | | | | | | | | | | | | | | | |  | | | | | | □ Partial laryngectomy (31370) | | | | | | |
| examination limited to the esophagus (43237) | | | | | | | | | | | | | | | | | |  | | | | | | □ Ligation thoracic duct (38381) | | | | | | |
| □ Upper gastrointestinal endoscopy with transendoscopic | | | | | | | | | | | | | | | | | |  | | | | | | □ Intraoperative jejunostomy (44015) | | | | | | |
| ultrasound-guided FNA (43238) | | | | | | | | | | | | | | | |  | | | | | | | | □ Omental flap (49904) | | | | | | |
| □ Upper gastrointestinal endoscopy with biopsy (43239) | | | | | | | | | | | | | | | | | |  | | | | | | □ Transthoracic thyroidectomy (60270) | | | | | | |
| □ Upper gastrointestinal endoscopy with dilation of gastric outlet | | | | | | | | | | | | | | | | | |  | | | | | | □ Removal substernal thyroid, cervical approach (60271) | | | | | | |
| for obstruction (43245) | | | | | | | | | | | | | | | | | |  | | | | | | □ Tube pericardiostomy (33015) | | | | | | |
| □ Upper gastrointestinal endoscopy with directed placement of | | | | | | | | | | | | | | | | | |  | | | | | | □ Pericardial window (33025) | | | | | | |
| percutaneous gastrostomy tube (43246) | | | | | | | | | | | | | | | | | | | |  | | | | □ SVC resection and reconstruction (34502) | | | | | | |
| □ Upper gastrointestinal endoscopy with removal of foreign body (43247) | | | | | | | | | | | | | | | | | | | |  | | | | □ Other (XXXX) | | | | | | |
| □ Upper gastrointestinal endoscopy with insertion of guide wire | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | | |
| followed by dilation of esophagus (43248) | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | | |
| □ Upper gastrointestinal endoscopy with balloon dilation of | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | | |
| esophagus (43249) | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | | |
| □ Upper gastrointestinal endoscopy with transendoscopic stent | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | | |
| placement (43256) | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | | |
| □ Upper gastrointestinal endoscopy with ablation of tumor (43258) | | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | | |
| Lung Resection Performed 🞎 Yes 🞎 No LungResect (1400) | | | | | | | | | | | | | | | | | | | |  | | | |  | | | | | | |
| *If Yes* → Laterality:  Laterality (1410) | 🞎 Right | | | | 🞎 Left | | 🞎 Bilateral | | | | | 🞎 Not Applicable | | | | | | | | | | | | | | | | | | |
| *If Admission Status=Inpatient* → | | | **Patient Disposition:**  PatDisp (1420) | | | | | | | | 🞎 ICU 🞎 Intermediate Care Unit  🞎 Regular Floor Bed 🞎 Not Applicable (Expired in OR) | | | | | | | | | | | | | | | | | | | |
| *If Admission Status=Inpatient* → | | | Total #Days in ICU:\_\_\_\_\_\_ ICUDays (1430) | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| **Lung cancer documented AND resection performed** LungCancer (1490)  Indicate whether the patient has lung cancer documented with one of the following Categories of Disease:  150 = Lung cancer, main bronchus, carina-162.2  160 = Lung cancer, upper lobe-162.3,  170 = Lung cancer, middle lobe-162.4  180 = Lung cancer, lower lobe-162.5  190 = Lung cancer, location unspecified-162.9    AND,    was treated with one of the following Procedures:  2470 = Removal of lung, total pneumonectomy; (32440)  2500 = Removal of lung, single lobe (lobectomy) (32480)  2510 = Removal of lung, two lobes (bilobectomy) (32482)  2520 = Removal of lung, single segment (segmentectomy) (32484)  2530 = Removal of lung, sleeve lobectomy (32486)  2540 = Removal of lung, completion pneumonectomy (32488)  2560 = Removal of lung, wedge resection, single or multiple (32500)  2580 = Resection of apical lung tumor (e.g., Pancoast tumor), including chest wall resection,  without chest wall reconstruction(s) (32503)  2590 = Resection of apical lung tumor (e.g., Pancoast tumor), including chest wall resection, with chest wall reconstruction (32504)  2740 = Thoracoscopy, surgical; with wedge resection of lung, single or multiple (32657)  2800 = Thoracoscopy, surgical; with lobectomy, total or segmental (32663). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 Yes 🞎 No *(If Yes, indicate clinical and pathological staging for lung cancer)* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Esophageal cancer documented AND resection performed** EsophCancer (1500)  Indicate whether the patient has esophageal cancer documented with one of the following Categories of Disease:    680 = Esophageal cancer-lower third-150.5  690 = Esophageal cancer, middle third-150.4  700 = Esophageal cancer, upper third-150.3  710 = Esophageal cancer, esophagogastric junction (cardia)-151.0    AND was treated with one of the following Procedures:    3320 = Transhiatal-Total esophagectomy, without thoracotomy, with cervical esophagogastrostomy (43107)  3330 = Three hole-Total esophagectomy with thoracotomy; with cervical esophagogastrostomy (43112)  3340 = Ivor Lewis-Partial esophagectomy, distal two-thirds, with thoracotomy and separate abdominal incision (43117)  3350 = Thoracoabdominal-Partial esophagectomy, thoracoabdominal approach (43122)  3360 = Minimally invasive esophagectomy, Ivor Lewis approach (43XXX)  3370 = Minimally invasive esophagectomy, Abdominal and neck approach (43XXX)  3380 = Total esophagectomy without thoracotomy; with colon interposition or small intestine reconstruction (43108)  3390 = Total esophagectomy with thoracotomy; with colon interposition or small intestine reconstruction (43113)  3400 = Partial esophagectomy, cervical, with free intestinal graft, including microvascular anastomosis (43116)  3410 = Partial esophagectomy, with thoracotomy and separate abdominal incision with colon interposition or small intestine (43118)  3420 = Partial esophagectomy, distal two-thirds, with thoracotomy only (43121)  3430 = Partial esophagectomy, thoracoabdominal with colon interposition or small intestine (43123) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 🞎 Yes 🞎 No *(If Yes, indicate clinical and pathological staging for esophageal cancer)* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Clinical Staging** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *If lung cancer documented and resection performed: ↓* (Stage both non-small cell and small cell lung cancer the same.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lung Cancer** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| □ **T1a** (Tumor <=2 cm, surrounded by lung, not in the main bronchus) ClinStageLungT (1510) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| □ **T1b** (Tumor >2 cm, <=3 cm, surrounded by lung, not in the main bronchus) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| □ **T2a** (Tumor >3 cm, <=5 cm, or invades visceral pleura, involves main bronchus >2 cm from carina, associated with atelectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| that extends to the hilum but not the entire lung) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| □ **T2b** (Tumor >5 cm, <=7 cm, or invades visceral pleura, involves main bronchus >2 cm from carina, associated with atelectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| that extends to the hilum but not the entire lung) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| □ **T3**  (Tumor >7 cm or invasion of chest wall, diaphragm, phrenic nerve, mediastinal pleura, pericardium; or tumor in the main | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| bronchus <=2 cm from carina, or atelectasis of the entire lung, or separate tumor nodules in the same lobe) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| □ **T4**  (Tumor of any size that invades mediastinum, heart, great vessels, recurrent laryngeal nerve, esophagus, vertebral body, | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| carina; separate tumor nodule in a different ipsilateral lobe) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| □ **N0** (No nodal metastases) ClinStageLungN (1520) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| □ **N1** (Nodal metastases to ipsilateral hilar or peribronchial nodes) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| □ **N2** (Nodal metastases to ipsilateral mediastinal and/or subcarinal nodes) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| □ **N3** (Nodal metastases to contralateral mediastinal, contralateral hilar, and either ipsilateral or contralateral scalene or supraclavicular nodes) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| □ **M0**  (No distant metastases) ClinStageLungM (1530) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| □ **M1a** (Separate tumor nodule in a contralateral lobe, tumor with pleural nodeules or malignant pleural or pericardial effusion) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| □ **M1b** (Distant metastases) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | |  | | | | | |  | | | | | | | |
| *If esophageal cancer documented and resection performed: ↓* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Esophageal Cancer** | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | |
| **Primary Tumor** ClinStageEsophT (1540) | | | | | | | | | | | | | | | | | | | | | | | | | | **Regional Lymph Nodes** ClinStageEsophN (1550) | | | | |
| □ **T0** (No evidence of tumor) | | | | | | | | | | | | | | | | | | | | | | | | | | □ **N0** (No nodal metastases) | | | | |
| □ **Tis** (High grade dysplasia – HGD) | | | | | | | | | | | | | | | | | | | | | | | | | | □ **N1a** (Nodal metastases to 1 or 2 nodes) | | | | |
| □ **T1a** (Tumor invades lamina propria or muscularis mucoasae) | | | | | | | | | | | | | | | | | | | | | | | | | | □ **N1b** (Nodal metastases to 3 to 5 nodes) | | | | |
| □ **T1b** (Tumor invades submucosa) | | | | | | | | | | | | | | | | | | | | | | | | | | □ **N2** (Nodal metastases to 6 to 9 nodes) | | | | |
| □ **T2** (Tumor invades muscularis propria) | | | | | | | | | | | | | | | | | | | | | | | | | | □ **N3**  (Nodal metastases to 10 or more nodes) | | | | |
| □ **T3** (Tumor invades adventita) | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | |
| □ **T4a** (Tumor invades adjacent structures – pleura, pericardium, diaphragm) | | | | | | | | | | | | | | | | | | | | | | | | | | **Histologic Grade** ClinStageEsophG (1580) | | | | |
| □ **T4b** (Tumor invades other adjacent structures) | | | | | | | | | | | | | | | | | | | | | | | | | | □ **GX** (Grade cannot be accessed) | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | □ **G1** (Well differentiated) | | | | |
| **Distant Metastasis**  ClinStageEsophM (1560) | | | | **Histopathologic Type**  ClinStageEsophH (1570) | | | | | | | | | | | | | | | | | | | | | | □ **G2** (Moderately differentiated)  □ **G3** (Poorly differentiated) | | | | |
| □ **M0** (No distant metastases) | | | | □ **H1** (Squamous carcinoma) | | | | | | | | | | | | | | | | | | | | | | □ **G4** (Undifferentiated) | | | | |
| □ **M1** (Distant metatases) | | | | □ **H2** (Adenocarcinoma) | | | | | | | | | | | | | | | | | | | | | |  | | | | |

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| **5. Postoperative Events** | | | | |
| Indicate all adverse events that occurred within 1 month of surgery if discharged from the hospital or those that occur during the same admission, regardless of the length of stay. | | | | |
| *If Patient Disposition = “ICU", "Intermediate Care Unit" or "Regular floor bed" →* Unexpected Return to the OR 🞎 Yes 🞎 No ReturnOR (1590) | | | | |
| *If Yes →* | Bleeding req re-operation 🞎 Yes 🞎 No BleedOperate (1600) | | | |
| **Postoperative Events**?  POEvents (1610) | | 🞎 Yes 🞎 No *If Yes, select all that occurred: ↓* | | |
| **Pulmonary** | | | **Infection** | **Neurology** |
| □ Air leak > 5 days duration  AirLeak5 (1620) | | | □ Urinary tract infection  UTI (1880) | □ New central neurological event (TIA, CVA, etc.)  CentNeuroEvt (1930) |
| □ Atelectasis req bronchoscopy  Atelectasis (1630) | | | □ Empyema req Rx  Empyema (1890) | □ Recurrent laryngeal nerve paresis or paralysis  RecLarynParesis (1940) |
| □ Pneumonia  Pneumonia (1640) | | | □ Wound infection  WoundInfect (1900) | □ Delirium  Delirium ( 1950) |
| □ Adult Respiratory Distress Syndrome (ARDS)  ARDS (1650) | | | □ Sepsis  Sepsis (1910) | □ Other neurological event  OtherNeuro (1960) |
| □ Bronchopleural fistula  Bronchopleural (1660) | | | □ Another infection req IV antibiotics  OtherInfect (1920) |  |
| □ Pulmonary embolus  PE (1670) | | |  |  |
| □ Pneumothorax  Pneumo (1680) | | | **Hematology** | **Miscellaneous** |
| □ Initial ventilator support > 48 hours  Vent (1690) | | | □ Packed red blood cells  PostopPRBC (1850) | □ New renal failure req Rx or worsening  (Cr >=2x preop) |
| □ Reintubation  Reintube (1700) | | | *If Yes→* # Units \_\_\_\_\_\_\_\_\_  PostopPRBCUnits (1860) | NewRenalFail (1970) |
| □ Tracheostomy  Trach (1710) | | |  | □ Chylothorax req medical intervention  (i.e.; chest tube, TPN) |
| □ Other Pulmonary event  OtherPul (1720) | | | **Gastrointestinal** | ChyloMed (1980) |
|  | | | □ Gastric outlet obstruction  GastricOutlet (1780) | □ Chylothorax req surgical intervention  (i.e.; reoperation and ligation of thoracic duct) |
| **Cardiovascular** | | | □ Ileus  Ileus (1790) | ChyloSurg (1990) |
| □ Atrial arrhythmia req Rx  AtrialArryth (1730) | | | □ Anastomotis leak req medical Rx only  (i.e.: interventional radiation drainage, | □ Other events req OR with general anesthesia  OtherSurg (2010) |
| □ Ventricular arrhythmia req Rx  VentArryth (1740) | | | NPO, antibiotics)  AnastoMed (1800) |  |
| □ Myocardial infarct  MI (1750) | | | □ Anastomotis leak req surgical  intervention (i.e.; reoperation) | *If Admission Status = Inpatient ↓* |
| □ Deep venous thrombosis (DVT) req Rx  DVT (1760) | | | AnastoSurg (1810) | □ Unexpected Admission to ICU  UnexpectAdmitICU (2020) |
| □ Other CV event  OtherCV (1770) | | | □ Dilation esophagus prior to discharge  DilationEsoph (1820) |  |
|  | | | □ Other GI event OtherGI (1830) |  |

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| **6. Discharge** | | | | | | |
| *If Admission Status = Inpatient→*  **Date of Discharge:** \_\_\_\_\_\_/\_\_\_\_\_\_/\_\_\_\_\_\_\_\_  DischDt (2030) | | | | | | |
| **Discharge Status**: 🞎 Alive 🞎 Dead  MtDCStat (2040) | | | | | | |
| *If Alive →* | Discharge location:  DisLoctn (2050) | | | 🞎 Home 🞎 Extended Care / Transitional Care Unit / Rehab | | |
|  |  | | | 🞎 Other Hospital 🞎 Nursing Home 🞎 Hospice 🞎 Other | | |
|  | Readmitted within 30 days of procedure 🞎 Yes 🞎 No  Readm30 (2060) | | | | | |
| *If Admission Status = Inpatient→* **Status at 30 days after surgery:** 🞎 Alive 🞎 Dead 🞎 Unknown  Mt30Stat (2070) | | | | | | |
| Date of Death: \_\_\_\_\_\_/\_\_\_\_\_\_/\_\_\_\_\_\_\_\_  MtDate (2080) | | | | | | |
| Chest tube used?  CTubeUse (2090) | | 🞎 Yes 🞎 No | | | | |
| *If Chest Tube Use = Yes →* Discharged with chest tube 🞎 Yes 🞎 No  CTubeDis (2100) | | | | | *If No→* Date chest tube was removed: \_\_\_\_/\_\_\_/\_\_\_\_\_\_\_\_  CTubeOutDate (2110) | |
| **Pathological Staging** | | | | | | |
| *If lung cancer documented and resection performed: ↓* | | | | | | |
| **Lung Cancer** | | | | | | |
| □ **T1a** (Tumor <=2 cm, surrounded by lung, not in the main bronchus) PathStageLungT (2170) | | | | | | |
| □ **T1b** (Tumor >2 cm, <=3 cm, surrounded by lung, not in the main bronchus) | | | | | | |
| □ **T2a** (Tumor >3 cm, <=5 cm, or invades visceral pleura, involves main bronchus >2 cm from carina, associated with atelectasis | | | | | | |
| that extends to the hilum but not the entire lung) | | | | | | |
| □ **T2b** (Tumor >5 cm, <=7 cm, or invades visceral pleura, involves main bronchus >2 cm from carina, associated with atelectasis | | | | | | |
| that extends to the hilum but not the entire lung) | | | | | | |
| □ **T3**  (Tumor >7 cm or invasion of chest wall, diaphragm, phrenic nerve, mediastinal pleura, pericardium; or tumor in the main | | | | | | |
| bronchus <=2 cm from carina, or atelectasis of the entire lung, or separate tumor nodules in the same lobe) | | | | | | |
| □ **T4**  (Tumor of any size that invades mediastinum, heart, great vessels, recurrent laryngeal nerve, esophagus, vertebral body, | | | | | | |
| carina; separate tumor nodule in a different ipsilateral lobe) | | | | | | |
|  | | | | | | |
| □ **N0** (No nodal metastases) PathStageLungN (2180) | | | | | | |
| □ **N1** (Nodal metastases to ipsilateral hilar or peribronchial nodes) | | | | | | |
| □ **N2** (Nodal metastases to ipsilateral mediastinal and/or subcarinal nodes) | | | | | | |
| □ **N3** (Nodal metastases to contralateral mediastinal, contralateral hilar, and either ipsilateral or contralateral scalene or supraclavicular nodes) | | | | | | |
|  | | | | | | |
| □ **M0**  (No distant metastases) PathStageLungM (2190) | | | | | | |
| □ **M1a** (Separate tumor nodule in a contralateral lobe, tumor with pleural nodeules or malignant pleural or pericardial effusion) | | | | | | |
| □ **M1b** (Distant metastases) | | | | | | |
|  | | | | | | |
| *If esophageal cancer documented and resection performed: ↓* | | | | | | |
| **Esophageal Cancer and of the Cardia and Gastroesphageal Junction** | | | | | | |
| **Primary Tumor** | | | | | | **Regional Lymph Nodes** |
| □ **T0** (No evidence of tumor)PathStageEsophT (2200) | | | | | | □ **N0** (No nodal metastases) PathStageEsophN (2210) |
| □ **Tis** (High grade dysplasia – HGD) | | | | | | □ **N1a** (Nodal metastases to 1 or 2 nodes) |
| □ **T1a** (Tumor invades lamina propria or muscularis mucoasae) | | | | | | □ **N1b** (Nodal metastases to 3 to 5 nodes) |
| □ **T1b** (Tumor invades submucosa) | | | | | | □ **N2** (Nodal metastases to 6 to 9 nodes) |
| □ **T2** (Tumor invades muscularis propria) | | | | | | □ **N3**  (Nodal metastases to 10 or more nodes) |
| □ **T3** (Tumor invades adventita) | | | | | |  |
| □ **T4a** (Tumor invades adjacent structures – pleura, pericardium, diaphragm) | | | | | | **Histologic Grade** |
| □ **T4b** (Tumor invades other adjacent structures) | | | | | | □ **GX** (Grade cannot be accessed) PathStageEsophG (2240) |
|  | | | | | | □ **G1** (Well differentiated) |
| **Distant Metastasis**  PathStageEsophM (2220) | | | **Histopathologic Type**  PathStageEsophH (2230) | | | □ **G2** (Moderately differentiated) |
| □ **M0** (No distant metastases) | | | □ **H1** (Squamous carcinoma) | | | □ **G3** (Poorly differentiated) |
| □ **M1** (Distant metatases) | | | □ **H2** (Adenocarcinoma) | | | □ **G4** (Undifferentiated) |

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| **7. Quality Measures** | | | | |
| *If Admission Status = Inpatient ↓* | | |  | |
|  | IV antibiotics ordered within 1 hour  IVAntibioOrdered (2250) | | 🞎 Yes 🞎 No | *If Yes →* IV antibiotics given within 1 hour IVAntibioGiven (2260)  🞎 Yes 🞎 No 🞎 Not indicated for procedure |
|  | Cephalosporin Antibiotic Ordered  CephalAntiOrdered (2270) | | 🞎 Yes 🞎 No 🞎 Not indicated for procedure  🞎 Not indicated due to documented allergy; another appropriate antibiotic given | |
|  | Prophylactic Antibiotic Discontinuation Ordered  AntibioticDiscOrdered (2280) | | 🞎 Yes 🞎 No 🞎 No, due to documented infection | |
|  | DVT Prophylaxis Measures  DVTProphylaxis (2290) | | 🞎 Yes 🞎 No 🞎 Not applicable | |
| *If Cigarette Smoking = Current Smoker ↓* | | | | |
|  | Smoking Cessation Counseling  SmokCoun (2300) | 🞎 Yes 🞎 No 🞎 Patient refused | | |