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| **The Society of Thoracic Surgeons** |
| **General Thoracic Surgery Database** **Major Procedure Data Collection Form** |
| **Version 2.3** |
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| Revised 9-22-14 |

* A Major Procedure Data Collection Form (DCF) should be initiated every time the patient enters the Operating Room for Major Procedure(s). Major procedures are analyzed, may be risk adjusted and are included in Harvest Reports.
* Fields that appear underlined and in blue are required for Major procedure record inclusion. If any of these fields are missing data, the entire record will be excluded from the analysis.
* Procedures highlighted below, if performed as isolated procedures or with another highlighted procedure are not collected unless the Surgeon Participant chooses to track them. If collected, use the data set highlighted below or the Non-analyzed Procedure Data Set DCF. Sections and Fields that appear highlighted are suggested for these procedures.
* Highlighted procedures done in conjunction with major procedures should be included on the Major Procedure DCF.

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| **Demographics** |
| Patient ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_PatID (80) | Medical Record #:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ MedRecN (100) |
| First Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_PatFName (110) | Middle Name:\_\_\_\_\_\_\_\_\_\_\_\_PatMName(121) | Last Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_PatLName (130) | SSN#:\_\_\_\_\_\_\_\_\_\_\_\_\_\_SSN (140) |
| Patient participating in STS-related clinical trial: ClinTrial (151)🞎 None 🞎 Trial 1 🞎 Trial 2 🞎 Trial 3 🞎 Trial 4 🞎 Trial 5 🞎 Trial 6 (If not “None” →) Clinical trial patient ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ClinTrialPatID (152) |
| Date of Birth:\_\_\_\_/\_\_\_\_/\_\_\_\_\_\_DOB (160) | **Age:** \_\_\_\_\_\_\_\_Age (170) | Patient Postal Code:\_\_\_\_\_\_\_\_\_\_PostalCode (180) | **Gender:** 🞎 Male 🞎 Female Gender (190) |
| **Is the Patient's Race Documented**? 􀀀 Yes 􀀀 No 􀀀 Patient Declined to Disclose RaceDocumented (191) |
| **Race**: *If Yes select all that apply →* | White/CaucasianRaceCaucasian (200) | 🞎 Yes 🞎 No | Black/African AmericanRaceBlack (210) | 🞎 Yes 🞎 No |
|  | AsianRaceAsian (220) | 🞎 Yes 🞎 No | American Indian/Alaskan NativeRaceNativeAm (230) | 🞎 Yes 🞎 No |
|  | Native Hawaiian/Pacific Islander RacNativePacific (240) | 🞎 Yes 🞎 No | OtherRaceOther (250) | 🞎 Yes 🞎 No |
| Hispanic or Latino Ethnicity: 🞎 Yes 🞎 No 🞎 Not Documented Ethnicity (270) |
| **Follow-Up** |
| Date of Last Follow-Up: \_\_\_\_/\_\_\_/\_\_\_\_\_ LFUDate (271) | Mortality Status at Last Follow-Up: 🞎 Alive 🞎 DeadLFUMortStat (272) |
| Mortality Date: \_\_\_\_/\_\_\_/\_\_\_\_\_MortDate (273) |  |
| **Admission** |
| **Admission Status:** 🞎 Inpatient 🞎 Outpatient / ObservationAdmissionStat (280) | *If Inpatient →* Admission Date: \_\_\_\_/\_\_\_/\_\_\_\_\_AdmitDt (290) |
| **Payor:** Indicate the **Primary** payor: PayorPrim (411) | Indicate the **Secondary (supplemental)** payor: PayorSecond (413) |
| 🞎 None/self🞎 Medicare  *If Medicare →* Fee For Service: 🞎 Yes 🞎 No PrimMCareFFS (412) 🞎 Medicaid🞎 Military Health🞎 Indian Health Service🞎 Correctional Facility🞎 State Specific Plan🞎 Other Government Insurance🞎 Commercial Health Insurance🞎 Health Maintenance Organization🞎 Non U.S. Plan | 🞎 None/self🞎 Medicare  *If Medicare →* Fee For Service: 🞎 Yes 🞎 No SecondMCareFFS (414)🞎 Medicaid🞎 Military Health🞎 Indian Health Service🞎 Correctional Facility🞎 State Specific Plan🞎 Other Government Insurance🞎 Commercial Health Insurance🞎 Health Maintenance Organization🞎 Non U.S. Plan |
| Surgeon Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Surgeon (420) | **Surgeon’s National Provider ID:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_SurgNPI (430) |
| **Taxpayer ID#:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_TIN (440) | Hospital Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_HospName (450) |
| Hospital Postal Code:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_HospZIP (460) | Hospital State:\_\_\_\_\_\_\_\_HospStat (470) | Hospital’s National Provider ID:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_HospNPI (480) |
| **Pre-Operative Evaluation** |
| Height: \_\_\_\_\_\_\_\_\_\_\_(cm)HeightCm (490) | Weight: \_\_\_\_\_\_\_\_\_\_(kg)WeightKg (500) | Wt loss over past 3 months?  *(Enter “0” if none)* \_\_\_\_\_\_\_\_\_\_\_\_\_(kg)WtLoss3Kg (510) |
| Hypertension Hypertn (520)  | 🞎 Yes 🞎 No | Steroids 🞎 Yes 🞎 NoSteroid (530) | Congestive Heart Failure(CHF) 🞎 Yes 🞎 NoCHF (540)  |
| Coronary Artery Disease (CAD) CAD (550) | 🞎 Yes 🞎 No | Peripheral Vascular Disease (PVD) 🞎 Yes 🞎 NoPVD (560) |
| Prior Cardiothoracic Surgery PriorCTS (570) | 🞎 Yes 🞎 No |  |
| Preoperative Chemotherapy PreopChemoCur (580)  | 🞎 Yes 🞎 No | *If Yes →* When: | 🞎 ≤ 6 months 🞎 > 6 months PreopChemoCurWhen (590) |
| Preop Thoracic Radiation TherapyPreopXRT (600)  | 🞎 Yes 🞎 No | *If Yes →*  | 🞎 Same disease, ≤ 6 months | 🞎 Same disease,> 6 months |
| 🞎 Unrelated disease, ≤ 6 months PreopXRTDisWhen (610) | 🞎 Unrelated disease, >6 months |
| Cerebrovascular History:CerebroHx (620) | 🞎 No CVD history 🞎 Transient Ischemic Attack (TIA) 🞎 Cerebrovascular Accident (CVA) |
| Pulmonary Hypertension:PulmHypertn (630) | 🞎 Yes 🞎 No 🞎 Not applicable/Not documented  |
| Diabetes Diabetes (640)  | 🞎 Yes 🞎 No  | *If Yes→* Type of therapy: DiabCtrl (650)  | 🞎 None 🞎 Diet Only 🞎 Oral 🞎 Insulin 🞎 Other subcutaneous medication 🞎 Other 🞎 Unknown |
| On DialysisDialysis (660) | 🞎 Yes 🞎 No | Creatinine level measuredCreatMeasured (670) | 🞎 Yes 🞎 No | *If Yes →* Last creatinine level \_\_\_\_\_\_\_\_CreatLst (680) |
| Hemoglobin level measuredHemoglobinMeasured (690) | 🞎 Yes 🞎 No | *If Yes →* Last hemoglobin level \_\_\_\_\_\_\_HemoglobinLst (700) |
| COPD COPD (710) | 🞎 Yes 🞎 No | Interstitial Fibrosis 🞎 Yes 🞎 NoInterstitialFib (720) |
| **Cigarette smoking:**CigSmoking (730) | 🞎 Never smoked | 🞎 Past smoker (stopped >1 month prior to operation) | 🞎 Current smoker | 🞎 Unknown |
| *If ‘Past smoker’ or ‘Current Smoker’* → | Pack Year Known or can be estimated PackYearKnown (740)  | 🞎 Yes 🞎 No | *If Yes →* Pack-Years ­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_ PackYear (750) |
| **Pulmonary Function Tests performed?**PFT (760) | 🞎 Yes 🞎 No |
| *If No* → | PFT Not Performed Reason PFTNotPerReas(770) | 🞎 Not a Major Lung Resection🞎 Tracheostomy or Ventilator | 🞎 Never smoked, no Lung Dx🞎 Urgent or Emergent Status | 🞎 Pt. Unable to perform |
| *If Yes* → | **FEV1 test performed?**FEV (780) | 🞎 Yes 🞎 No 🞎 Not Applicable | *If Yes→* **FEV1 % predicted:**  **\_\_\_\_\_\_\_\_\_** FEVPred (790) |
| DLCO test performed?DLCO (800) | 🞎 Yes 🞎 No 🞎 Not Applicable | *If Yes→* DLCO % predicted: \_\_\_\_\_\_\_\_\_\_ DLCOPred (810)  |
| **Zubrod Score:** Zubrod (820) | 🞎 Normal activity, no symptoms | 🞎 Symptoms, fully ambulatory | 🞎 Symptoms, in bed ≤ 50% of time |
| 🞎 Symptoms, in bed >50% but <100% | 🞎 Bedridden | 🞎 Moribund |
|  ***Pre-treatment Lung cancer staging- to be completed if lung cancer documented AND lung resection performed.***  |
| **Lung Cancer:**LungCancer(830) | 🞎 Yes 🞎 No |  |  |  |
| *If Yes→*  | **Clinical Staging Done** | 🞎 Yes 🞎 No ClinStagDoneLung (840) |
|  | *If Yes→*  | Pre-Op Positive Tissue diagnosis Obtained: 🞎 Yes 🞎 No PreopPosTisOb (841) |
|  |  | Clinical Staging Methods : *Choose all that apply ↓* |
|  |  | Bronchoscopy ClinStagLungBronc(850) | 🞎 Yes 🞎 No | EBUS ClinStagLungEBUS(860) | 🞎 Yes 🞎 No |
|  |  | EUS ClinStagLungEUS(870) | 🞎 Yes 🞎 No | Mediastinoscopy/ChamberlainClinStagLungMedia(880) | 🞎 Yes 🞎 No |
|  |  | PET or PET/CT ClinStagLungPET(890) | 🞎 Yes 🞎 No | CTClinStagLungCT(900) | 🞎 Yes 🞎 No |
|  |  | VATS ClinStagLungVATS(910) | 🞎 Yes 🞎 No | Laparoscopy ClinStagLungLap(920) | 🞎 Yes 🞎 No |
|  |  | Brain MRI ClinStagLungBMRI (921) | 🞎 Yes 🞎 No | Brain CT Scan ClinStagLungBrainCT (922) | 🞎 Yes 🞎 No |
|  |  | Needle BiopsyClinStagLungNeedle (923) | 🞎 Yes 🞎 No | Other ClinStagLungOth(929) | 🞎 Yes 🞎 No |
|  |  | Lung CA Tumor Size: ClinStageLungT(930) | 🞎 ≤ 2 cm 🞎 >2cm ≤ 3cm 🞎 >3cm ≤ 5cm 🞎 > 5cm ≤ 7cm 🞎 >7cm 🞎 Unknown  |
|  |  | Invasion of Adjacent Structures: 🞎 Yes 🞎 No LCInvAdjStr(940)  |
|  |  | *If Yes→*  | *Choose all* Locations *that apply: ↓* |  |
|  |  |  | Visceral PleuraClinStageLungTInvPl (950) | 🞎 Yes 🞎 No | Chest Wallor Parietal PleuraClinStageLungTInvCW (960) | 🞎 Yes 🞎 No | DiaphragmClinStageLungTInvDia (970) | 🞎 Yes 🞎 No |
|  |  |  | Phrenic NerveClinStageLungTInvPN (980) | 🞎 Yes 🞎 No | PericardiumClinStageLungTInvPer (990)  | 🞎 Yes 🞎 No | Main BronchusClinStageLungTInvMB (1000) | 🞎 Yes 🞎 No |
|  |  |  | Obstructive Atelectasis or PneumonitisClinStageLungTInvOb (1010) | 🞎 Yes 🞎 No | Separate Nodule(s), same lobeClinStageLungTInvNod (1020) | 🞎 Yes 🞎 No | MediastinumClinStageLungTInvMed (1030) | 🞎 Yes 🞎 No |
|  |  |  | HeartClinStageLungTInvHt (1040) | 🞎 Yes 🞎 No | Great VesselsClinStageLungTInvGrVes(1050) | 🞎 Yes 🞎 No | TracheaClinStageLungTInvTr (1060) | 🞎 Yes 🞎 No |
|  |  |  | Recurrent Laryngeal NerveClinStageLungTInvRLN(1070) | 🞎 Yes 🞎 No | EsophagusClinStageLungTInvEo (1080) | 🞎 Yes 🞎 No | Vertebral BodyClinStageLungTInvVB (1090) | 🞎 Yes 🞎 No |
|  |  |  | CarinaClinStageLungTInvC (1100) | 🞎 Yes 🞎 No | Separate Nodule(s), different lobeClinStageLungTInvNDL (1110) | 🞎 Yes 🞎 No |  |  |
|  |  | Lung CA Nodes: ClinStageLungN (1120) | 🞎 N0*No regional lymph node metastasis* | 🞎 N1Metastasis in ipsilateral peribronchial or hilar and intrapulmonary nodes. Includes direct extension |
|  |  |  | 🞎 N2*Metastasis in ipsilateral mediastinal and/or subcarinal lymph nodes* | 🞎 N3Metastasis in contralateral mediastinal or contralateral hilar nodes, ipsilateral or contralateral scalene or supraclavicular nodes |
|  |  | Lung CA Metastases: ClinStageLungM(1130) | 🞎 M0*No distant metastasis* | 🞎M1Distant Metastasis |
| **Pre-treatment esophageal cancer staging- to be completed if esophageal cancer documented AND esophageal resection performed.** |
| Esophageal Cancer: 🞎 Yes 🞎 NoEsophCancer(1140) |
| *If Yes→*  | Clinical Staging Done 🞎 Yes 🞎 NoClinStagDoneEsoph (1150) |
|  | *If Yes→*  | Clinical Staging Method(s) and Results: Choose all that apply ↓ |
|  |  | BronchoscopyClinStagEsophBronc (1160) | 🞎 Yes 🞎 No | EBUS ClinStagEsophEBUS (1170) | 🞎 Yes 🞎 No | EUSClinStagEsophEUS (1180) | 🞎 Yes 🞎 No |
|  |  | Mediastinoscopy / ChamberlainClinStagEsophMedia (1190) | 🞎 Yes 🞎 No | PET or PET/CTClinStagEsophPET (1200) | 🞎 Yes 🞎 No | CTClinStagEsophCT (1210) | 🞎 Yes 🞎 No |
|  |  | VATSClinStagEsophVATS (1220) | 🞎 Yes 🞎 No | EGDClinStagEsophEGD (1230) | 🞎 Yes 🞎 No | LaparoscopyClinStagEsophLap (1240) | 🞎 Yes 🞎 No |
|  |  | Endoscopic Mucosal ResectionClinStagEsophEMR (1241) | 🞎 Yes 🞎 No | OtherClinStagEsophOth (1245) | 🞎 Yes 🞎 No |  |  |
|  |  | Esophageal Tumor: ClinStageEsophT (1250) | 🞎 T0*No evidence of primary tumor* | 🞎 TisHigh grade dysplasia | 🞎 T1Tumor invades lamina propria, mucosa or submucosa |
|  |  |  | 🞎 T2*Tumor invades muscularis propria* | 🞎 T3Tumor invades adventitia | 🞎 T4Tumor invades adjacent structures |
|  |  | Clinical Diagnosis of Nodal Involvement:ClinStagEsophNode (1251)  | 🞎 Yes (N1, N2 or N3) 🞎 No |  |
|  |  | Esophageal CA Metastases: ClinStageEsophM (1270) | 🞎 M0*No Distant Metastasis* | 🞎 M1Distant Metastasis |  |
| **Diagnosis (Category of Disease)**  |
| **Category of Disease**: Check both **Primary** and **Secondary** Diagnosis (Category of Disease). Indicate (circle) the Primary Diagnosis.CategoryPrim (1300) CategorySecond (1320)  |
| Category of Disease (ICD-9, ICD-10) Trachea & Larynx |
| 🞎 Dysphagia, unspecified (787.2, R13.10) | 🞎 Tracheal tumor, malignant (162.0, C33) |
| 🞎 Tracheomalacia-congenital (748.3, Q32.0) | 🞎 Tracheal tumor, benign (212.2, D14.2) |
| 🞎 Tracheomalacia-acquired (519.1, J39.8) | 🞎 Tracheal tumor, metastatic (197.3, C78.30) |
| 🞎 Tracheostenosis-congenital (748.3, Q32.1) | 🞎 Subglottic stenosis-congenital (748.3, Q31.1) |
| 🞎 Tracheostenosis-acquired (post intubation) (519.1, J39.8) | 🞎 Subglottic stenosis-acquired (post intubation) (478.74, J38.6) |
| 🞎 Tracheostomy-hemorrhage (519.09, J95.01) | 🞎 Vocal cord paralysis unspecified (478.3, J38.00) |
| 🞎 Tracheostomy related stenosis (519.02, J95.03) | 🞎 Vocal cord paralysis , unilateral (478.31, J38.01) |
|  | 🞎 Vocal cord paralysis, bilateral (478.33, J38.02) |
| Lung |
| 🞎 Acute respiratory failure (518.81, J96.00) |
| 🞎 Aspergillosis (117.3, B44.9) |
| 🞎 Bronchiectasis (494.0, J47.9) |
| 🞎 Carcinoid tumor of bronchus and lung; benign, typical (209.61., D34.090) |
| 🞎 Carcinoid tumor of the bronchus and lung; malignant, atypical (209.21, C7A.090) |
| 🞎 Cystic fibrosis with pulmonary manifestations (277.02, E84.0) |
| 🞎 Emphysema (492.8, J43.8) |
| 🞎 Emphysematous bleb (492.0, J43.9) |
| 🞎 Empyema with fistula (510.0, J86.0) |
| 🞎 Empyema without fistula (510.9, J86.9) |
| 🞎 Gangrene and necrosis of lung (513.0, J85.0) |
| 🞎 Hemothorax (511.8, J94.2) |
| 🞎 Interstitial lung disease/fibrosis (516.3, J84.1) |
| 🞎 Lung abscess (513.0, J85.2) |
| 🞎 Lung cancer, main bronchus, carina (162.2, C34.00) |
| 🞎 Lung cancer, upper lobe (162.3, C34.10) |
| 🞎 Lung cancer, middle lobe (162.4, C34.2) |
| 🞎 Lung cancer, lower lobe (162.5, C34.30) |
| 🞎 Lung cancer, location unspecified (162.9, C34.90) |
| 🞎 Solitary pulmonary nodule (not a tumor, e.g., granuloma, subpleural lymph node, pulmonary infarct) (793.11, R91.1) |
| 🞎 Lung tumor, benign (212.3, D14.30) |
| 🞎 Lung tumor, metastatic (197.0, C78.00) |
| 🞎 Malignant neoplasm other parts of bronchus or lung (162.8, C34.8) |
| 🞎 Neoplasm of uncertain behavior of trachea, bronchus and lung (235.7, DM38.1) |
| 🞎 Personal history of malignant neoplasm of bronchus and lung (V10.11, Z85.118) |
| 🞎 Pneumonia (486.0, J18.9) |
| 🞎 Pneumothorax (512.8, J93.1) |
| 🞎 Post inflammatory pulmonary fibrosis (515, J84.89) |
| 🞎 Primary pulmonary hypertension ( 416.0, I 27.0) |
| 🞎 Pulmonary insufficiency following surgery/trauma (ARDS) (518.5, J95.82) |
| 🞎 Pulmonary sequestration (748.5, Q33.2) |
| 🞎 Transplanted lung complication(s) (996.84, T86.8XX) |
| **Mediastinum** |
| 🞎 | Anterior mediastinal tumor primary(germ cell cancer, seminoma) (164.2, C38.1) |
| 🞎 | Anterior mediastinal tumor-benign-(e.g., teratoma) (212.5, D15.2) |
| 🞎 | Anterior mediastinal tumor-metastatic (197.1, C78.1) |
| 🞎 | Anterior mediastinal tumor-thymus tumor (thymoma, thymic carcinoma) (164.0, C37) |
| 🞎 | Benign neoplasm of thymus (212.6, D15.0) |
| 🞎 | Lymphoma, intrathoracic (202.82, C85.92) |
| 🞎 | Mediastinal abscess (513.1, J85.3) |
| 🞎 | Mediastinal cyst, Bronchogenic (519.3, J98.5) |
| 🞎 | Mediastinal cyst, Foregut duplication (519.3, J98.5) |
| 🞎 | Mediastinal cyst, Pericardial (519.3, J98.5) |
| 🞎 | Mediastinal cyst, Thymic (519.3, J98.5) |
| 🞎 | Mediastinal nodes, benign (229.0, D36.0) |
| 🞎 | Mediastinal nodes, metastatic (196.1, C77.1) |
| 🞎 | Mediastinitis (519.2, J98.5) |
| 🞎 | Myasthenia gravis (358.0, G70.00) |
| 🞎 | Neoplasm of uncertain behavior of pleura, thymus, mediastinum (235.8, D38.2-D38.4) |
| 🞎 | Posterior mediastinal malignant tumor- primary (164.3, C38.2) |
| 🞎 | Posterior mediastinal tumor-benign(neurogenic)(212.5,D15.2) |
| 🞎 | Posterior mediastinal tumor-metastatic (197.1, C78.1) |
| 🞎 | Unspecified disease of thymus gland (254.9, E32.9) |
| **Thyroid** |
| 🞎 Goiter, nodular (241.9, E04.9) |  🞎 Thyroid neoplasm, benign (226.0, D34) |  🞎 Thyroid neoplasm, malignant (193.0, C73) |
| **Pleura** |
| 🞎 | Pleural effusion, infected- (empyema) (511.1, J86.9) |
| 🞎 | Pleural effusion, malignant (197.2, C78.2) |
| 🞎 | Pleural effusion sterile (511.9, J90) |
| 🞎 | Pleural effusion, other specified, except TB (511.89, J90) |
| 🞎 | Pleural thickening (511.0, J94.9) |
| 🞎 | Pleural tumor, benign (212.4, D19.0) |
| 🞎 | Pleural tumor, metastatic (197.2, C78.2) |
| 🞎 | Malignant neoplasm other specified sites of pleura (163.8, C38.4) |
| 🞎 | Malignant tumor of pleura, unspecified (e.g., mesothelioma) (163.9, C38.4) |
| **Chest Wall** |
| 🞎 Pectus carinatum (754.82, Q67.7) | 🞎 Sternal tumor, benign (213.3, D16.7) |
| 🞎 Pectus excavatum (754.81, Q67.6) | 🞎 Sternal tumor, malignant (170.3, C41.3) |
| 🞎 Rib tumor, benign-(e.g., fibrous dysplasia) (213.3, D16.7) | 🞎 Sternal tumor, metastatic (198.5, C79.51) |
| 🞎 Rib tumor, malignant-(e.g., osteosarcoma, chondrosarcoma) (170.3, C41.3) | 🞎 Thoracic outlet syndrome (353.0, G54.0) |
| 🞎 Rib tumor, metastatic (198.5, C79.51) |  |
| **Diaphragm** |
| 🞎 Diaphragm tumor, benign (215.4, D21.3) | 🞎 Diaphragmatic hernia with gangrene (551.3, K44.1) |
| 🞎 Diaphragm tumor, malignant (171.4, C49.3) | 🞎 Diaphragmatic hernia without obstruction or gangrene (553.3, K44.9) |
| 🞎 Diaphragm tumor, metastatic (198.89, C79.89) | 🞎 Diaphragmatic paralysis (519.4, J98.6) |
| 🞎 Diaphragmatic hernia with obstruction, without gangrene (552.3, K44.0) |  |
| **Esophagus** |
| 🞎 Achalasia of esophagus (530.0, K22.0) | 🞎 Foreign body esophagus (935.1, T18.108a) |
| 🞎 Acquired absence of esophagus ( post esophagectomy) (V45.79, Z90.89) | 🞎 Gastric outlet obstruction, pyloric stenosis, acquired (537.0, K31.1) |
| 🞎 Barrett’s esophagus (530.85, K22.70) | 🞎 Malignant neo stomach unspecified (151.9, C16.9) |
| 🞎 Barrett’s esophagus with High Grade Dysplasia (530.85, K22.711) | 🞎 Malignant neoplasm of the esophagus, unspecified (150.9, C15.9) |
| 🞎 Dyskinesia/spasm of esophagus (530.5, K22.4) | 🞎 Malignant other part esophagus, specified (150.8, C15.8) |
| 🞎 Epiphrenic diverticulum (530.6, K22.5) | 🞎 Mallory Weiss tear (530.7, K22.6) |
| 🞎 Esophageal cancer, esophagogastric junction (cardia) (151.0, C16.0) | 🞎 Reflux esophagitis (530.11, K21.0) |
| 🞎 Esophageal cancer, middle third (150.4, C15.4) | 🞎 Stricture and stenosis of esophagus (530.3, K22.2) |
| 🞎 Esophageal cancer, upper third (150.3, C15.3) | 🞎 Tracheoesophageal fistula (530.84, J86.0) |
| 🞎 Esophageal cancer-lower third (150.5, C15.5) | 🞎 Ulcer esophagus with bleeding (530.21, K22.11) |
| 🞎 Esophageal perforation (530.4, K22.3) | 🞎 Ulcer esophagus without bleeding (530.2, K22.10) |
| 🞎 Esophageal reflux (GERD) (530.81, K21.9) | 🞎 Zenkers diverticulum (530.6, K22.5) |
| 🞎 Esophageal stricture (530.3, K22.2) | 🞎 Other digestive system complication (997.49, K91.XX) |
| 🞎 Esophageal tumor-benign (i.e., leiomyoma) (211.0, D13.0) | 🞎 Other disease of the esophagus (530.89, K22.8) |
| 🞎 Esophagitis (530.1, K20.9) |  |
| **Trauma** |
| 🞎 Flail chest (807.4, S22.5xxa) | 🞎 Sternal fracture (807.2, S22.20xa) |
| 🞎 Rib fracture (807.0, S22.39xa) | 🞎 Tracheal injury (807.5, S12.8xxa) |
| 🞎 Rib fractures, multiple (807.0, S22.49xa) | 🞎 Traumatic pneumothorax (860.0, S27.0xxa) |
| **Cardiovascular** |
| 🞎 Abdominal aneurysm without rupture (441.4, I171.4) | 🞎 Pericarditis, constrictive (432.2, I31.1) |
| 🞎 Cardiac tamponade (423.3, I31.4) | 🞎 SVC Syndrome (459.2, I87.1) |
| 🞎 Pericardial effusion, malignant (198.89, C79.89) | 🞎 Unspecified disease of the pericardium (423.9, I31.9) |
| 🞎 Pericarditis with effusion (420.9, I30.9) |  |
| **Miscellaneous** |
| 🞎 Abnormal radiologic finding (793.1, R91) |  |
| 🞎 Chronic airway obstruction not elsewhere classified (496, J44.9) |  |
| 🞎 Chylothorax (457.8, 189.8) |  |
| 🞎 Disruption of internal operation, surgical wound (998.31, T81.32XA) |  |
| 🞎 Hemorrhage complicating a procedure (998.11, multiple codes) |  |
| 🞎 Hematoma complicating a procedure (998.12, multiple codes) |  |
| 🞎 Hemoptysis unspecified (786.3, R04.2) |  |
| 🞎 Hyperhidrosis, focal axilla (705.21, L74.510) |  |
| 🞎 Hyperhidrosis, focal, face (705.21, L74.511) |  |
| 🞎 Hyperhidrosis, focal, palms (705.21, L74.512) |  |
| 🞎 Lymphadenopathy (785.6, R59.9) |  |
| 🞎 Other non-infectious disorders of lymphatic channels (457.8, I89.8) |  |
| 🞎 Malignant neoplasm of connective tissue and other soft tissue of the thorax (171.4, C49.3) |  |
| 🞎 Malignant poorly differentiated neuroendocrine carcinoma, any site (209.3, C74.1) |  |
| 🞎 Non-healing surgical wound (998.83, T81.89XA) |  |
| 🞎 Other post- op infection (998.59, T81.4XXA) |  |
| 🞎 Persistent post-op fistula not otherwise classified (998.6, T81.83XA) |  |
| 🞎 Post-operative air leak (512.2, J95.812) |  |
| 🞎 Secondary malignant neoplasm of other specified sites (198.89, C79.89) |  |
| 🞎 Shortness of breath (786.05, R06.02) |  |
| 🞎 Swelling, mass or lump in chest (786.6, R22.2) |  |
| 🞎 Other unlisted category of disease |  |
|  |  |
| **Other Primary Specify:** CategoryPrimOth (1310)  | If diagnosis not listed, free text here:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Other Primary ICD:**CategoryPrimOthICD (1311) | Enter ICD-9 or ICD-10 of unlisted primary diagnosis, if known:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Secondary, Other Secondary Specify:** CategorySecondOth(1330) | If secondary diagnosis not listed, free text here:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Secondary, Other Secondary ICD:** CategorySecondOthICD(1331) | Enter ICD-9 or ICD-10 of unlisted secondary diagnosis, if known :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Date of Surgery**:\_\_\_\_\_\_/\_\_\_\_\_\_/\_\_\_\_\_\_\_SurgDt (1340) |
| **OR Entry Time**: \_\_\_\_\_\_:\_\_\_\_\_\_\_OREntryT (1350) | Anesthesia Start Time: \_\_\_\_\_\_:\_\_\_\_\_\_\_AnesthStartT (1370) | **Procedure Start Time**: \_\_\_\_\_\_:\_\_\_\_\_\_\_ProcStartT (1390) |
| **OR Exit Time:** \_\_\_\_\_\_:\_\_\_\_\_\_\_ORExitT (1360) | Anesthesia End Time: \_\_\_\_\_\_\_:\_\_\_\_\_\_\_AnesthEndT (1380) | **Procedure End Time:** \_\_\_\_\_\_\_:\_\_\_\_\_\_\_ProcEndT (1400) |
| Multi-Day Operation (operation continued through midnight)MultiDay (1410)  | 🞎 Yes 🞎 No |
| Status of Operation: 🞎 Emergent 🞎 Urgent 🞎 Elective 🞎 PalliativeStatus (1420) |
| Reoperation (any prior cardiothoracic surgery that affects operative field)Reop (1430) | 🞎 Yes 🞎 No | Assisted by Robotic TechnologyRobotic (1440) | 🞎 Yes 🞎 No |
| Unanticipated Surgical Approach Conversion:UnanticConv (1441) | 🞎 VATS→ Open 🞎 Robotic → VATS 🞎 Robotic→ Open 🞎 No |
| *If Yes→*  | Conversion Type: 🞎 Elective 🞎 EmergentUnanticConvTy (1442) |
|  | Conversion Reason: 🞎 Vascular 🞎 Anatomy 🞎 Lymph Nodes 🞎 Technical UnanticConvRsn (1443) |
| Blood transfusion intraoperatively (packed red blood cells)IntraopPRBC (1450) | 🞎 Yes 🞎 No | *If Yes*→ #Red Blood Cell Units: \_\_\_\_\_\_\_\_\_IntraopPRBCNum (1460) |
| **ASA Classification:**ASA (1470) | 🞎 I *Normal, healthy*  | 🞎 II*Mild systemic Disease* | 🞎 III*Severe Systemic Disease*  | 🞎 IV*Life threatening severe systemic disease*  | 🞎 V*Moribund, not expected to survive without operation* | 🞎 VI*Declared brain dead, organ donor* |
| **Procedures** |
| **Check ALL of the procedures performed.**  *Indicate (circle) the* **Primary Procedure.**Proc (1480) Primary (1500) |
| **Trachea, Bronchi, Larynx** |
| 🞎 Tracheostomy, planned (31600) | 🞎 Rigid stent removal |
| 🞎 Tracheostomy replacement (tube change) prior to est. of fistula tract (31502) | 🞎 Unlisted procedure, trachea, bronchi (31899) |
| 🞎 Tracheostomy revision simple, without flap (31613) |  |
| 🞎 Bronchogenic cyst removal | 🞎 Tracheal stenosis excision and anastomosis; cervicothoracic (31781) |
| 🞎 Bronchial laceration suture  | 🞎 Tracheal tumor or carcinoma excision; cervical (31785) |
| 🞎 Bronchial sleeve resection  | 🞎 Tracheal tumor or carcinoma excision; thoracic (31786) |
| 🞎 Bronchoplasty, graft repair (31770) | 🞎 Tracheal wound or injury suture repair; cervical (31800) |
| 🞎 Bronchoplasty; excision stenosis and anastomosis (31775) | 🞎 Tracheal wound or injury suture repair; intrathoracic (31805) |
| 🞎 Bronchopleural fistula closure (32906) | 🞎 Tracheoplasty; cervical (31750) |
| 🞎 Carinal reconstruction (31766) | 🞎 Tracheoplasty; intrathoracic (31760) |
| 🞎 Laryngectomy, partial (31370) | 🞎 Tracheostomy revision complex, with flap (31614) |
| 🞎 Tracheal stenosis excision and anastomosis; cervical (31780) | 🞎 Tracheostomy mediastinal  |
| **Bronchoscopy** |
| 🞎 Bronchoscopy, diagnostic, with or without cell washing (31622) |
| 🞎 Bronchoscopy, each additional major bronchus stented (31637) |
| 🞎 Bronchoscopy, navigational (31627) |
| 🞎 Bronchoscopy, with bronchial alveolar lavage (BAL) (31624) |
| 🞎 Bronchoscopy, with bronchial or endobronchial biopsy(s), single or multiple sites (31625) |
| 🞎 Bronchoscopy, with brushing or protected brushings (31623) |
| 🞎 Bronchoscopy, with destruction of tumor or relief of stenosis by any method other than excision (e.g., laser therapy) (31641) |
| 🞎 Bronchoscopy, with excision of tumor (31640) |
| 🞎 Bronchoscopy, with placement of bronchial stent(s) (includes tracheal/bronchial dilation as required), initial bronchus (31636) |
| 🞎 Bronchoscopy, with placement of catheter(s) for intracavitary radioelement application (31643) |
| 🞎 Bronchoscopy, with placement of Fiducial markers (31626) |
| 🞎 Bronchoscopy, with placement of tracheal stent(s) (includes tracheal/bronchial dilation as required) (31631) |
| 🞎 Bronchoscopy, with removal of foreign body (31635) |
| 🞎 Bronchoscopy, with revision of tracheal or bronchial stent inserted at previous session (31638) |
| 🞎 Bronchoscopy, with therapeutic aspiration of tracheobronchial tree, initial (drainage of lung abscess) (31645) |
| 🞎 Bronchoscopy, with therapeutic aspiration of tracheobronchial tree, subsequent (31646) |
| 🞎 Bronchoscopy, with tracheal/bronchial dilation or closed reduction of fracture (31630) |
| 🞎 Bronchoscopy, with transbronchial lung biopsy(s), each additional lobe (31632) |
| 🞎 Bronchoscopy, with transbronchial lung biopsy(s), single lobe (31628) |
| 🞎 Bronchoscopy, with transbronchial needle aspiration biopsy(s) (31629) |
| 🞎 Bronchoscopy, with transbronchial needle aspiration biopsy(s), each additional lobe (31633) |
| 🞎 Endobronchial ultrasound (EBUS) during bronchoscopy diagnostic or therapeutic intervention(s) (31620) |
| 🞎 Tracheobronchoscopy through established tracheostomy incision (31615) |
| **Pleural Space and Lung** |
| 🞎 Thoracoscopy, diagnostic lungs and pleural space, without biopsy (32601) |
| 🞎 Thoracoscopy, surgical; with pleurodesis (e.g., mechanical or chemical) (32650) |
| 🞎 Thoracoscopy, surgical; with removal of intrapleural foreign body or fibrin deposit (32653) |
| 🞎 Thoracoscopy, diagnostic; with biopsy(s) of lung infiltrate(s) (eg wedge), unilateral (32607) |
| 🞎 Thoracoscopy, diagnostic; with biopsy(s) of lung nodule(s) or mass(es) (eg incisional), unilateral (32608) |
| 🞎 Thoracoscopy, diagnostic; with biopsy(s) of pleura (32609) |
| 🞎 Thoracostomy; with rib resection for empyema (32035) |
| 🞎 Thoracostomy; with open flap drainage for empyema (32036) |
| 🞎 Thoracotomy with biopsy(s) lung infiltrate(s) (eg wedge), unilateral (32096) |
| 🞎 Thoracotomy with biopsy(s) lung nodule(s) or masses (eg incisional), unilateral (32097) |
| 🞎 Thoracotomy with biopsy(s) of pleura (32098) |
| 🞎 Thoracotomy with cardiac massage (32160) |
| 🞎 Pleural scarification for repeat pneumothorax (32215) |
| 🞎 Insertion indwelling tunneled pleural catheter (32550) |
| 🞎 Repair lung hernia through chest wall (32800) |
| 🞎 Closure of chest wall following open flap drainage for empyema (Clagett type procedure) (32810) |
| 🞎 Total lung lavage (for alveolar proteinosis) (32997) |
| 🞎 Radio-frequency ablation (RFA) lung tumor (32998)🞎 Unlisted procedure, lung (32999) |
| 🞎 Thoracoscopy, surgical; with partial pulmonary decortication (32651) |
| 🞎 Thoracoscopy, surgical; with total pulmonary decortication (32652) |
| 🞎 Thoracoscopy, surgical; with control of traumatic hemorrhage (32654) |
| 🞎 Thoracoscopy, surgical; with excision-plication of bullae, including any pleural procedure (32655) |
| 🞎 Thoracoscopy, surgical; with parietal pleurectomy (32656) |
| 🞎 Thoracoscopy, surgical; with lobectomy (32663) |
| 🞎 Thoracoscopy with therapeutic wedge resection (eg mass or nodule, initial, unilateral (32666) |
| 🞎 Thoracoscopy with therapeutic wedge resection(eg mass or nodule) each additional resection, ipsilateral (32667)  |
|  List separately in addition to primary procedure code |
| 🞎 Thoracoscopy with diagnostic wedge resection followed by anatomic lung resection (32668), List separately in addition to primary procedure code  |
| 🞎 Thoracoscopy with removal of a single lung segment (segmentectomy) (32669) |
| 🞎 Thoracoscopy with removal of two lobes (bilobectomy) (32670) |
| 🞎 Thoracoscopy with removal of lung, pneumonectomy (32671) |
| 🞎 Thoracoscopy with resection-plication for emphysematous lung (bullous or non-bullous) for lung volume reduction- |
|  LVRS, unilateral including any pleural procedure (32672) |
| 🞎 Thoracotomy with therapeutic wedge resection (eg mass nodule) initial (32505) |
| 🞎 Thoracotomy with therapeutic wedge resection (eg mass nodule) each additional resection, ipsilateral (+32506)  |
|  List separately in addition to primary procedure code |
| 🞎 Thoracotomy with diagnostic wedge resection followed by anatomic lung resection (+32507), List separately in addition to primary proc code  |
| 🞎 Thoracotomy, with exploration (32100) |
| 🞎 Thoracotomy, major; with control of traumatic hemorrhage and/or repair of lung tear (32110) |
| 🞎 Thoracotomy, major; for postoperative complications (32120) |
| 🞎 Thoracotomy, major; with cyst(s) removal, with or without a pleural procedure (32140) |
| 🞎 Thoracotomy, major; with excision-plication of bullae, with or without any pleural procedure (32141) |
| 🞎 Thoracotomy, major; with removal of intrapleural foreign body or hematoma (32150) |
| 🞎 Thoracotomy with open intrapleural pneumolysis (32124) |
| 🞎 Decortication, pulmonary, total (32220) |
| 🞎 Decortication, pulmonary, partial (32225) |
| 🞎 Pleurectomy, parietal (32310) |
| 🞎 Decortication and parietal pleurectomy (32320) |
| 🞎 Removal of lung, total pneumonectomy; (32440) |
| 🞎 Removal of lung, sleeve (carinal) pneumonectomy (32442) |
| 🞎 Removal of lung, total pneumonectomy; extrapleural (32445) |
| 🞎 Removal of lung, single lobe (lobectomy) (32480) |
| 🞎 Removal of lung, two lobes (bilobectomy) (32482) |
| 🞎 Removal of lung, single segment (segmentectomy) (32484) |
| 🞎 Removal of lung, sleeve lobectomy (32486) |
| 🞎 Removal of lung, completion pneumonectomy (32488) |
| 🞎 Removal of lung, excision-plication of emphysematous lung(s) for lung volume reduction (LVRS) (32491) |
| 🞎 Resection and repair of portion of bronchus (bronchoplasty) when performed at time of lobectomy or segmentectomy (32501) |
| 🞎 Resection of apical lung tumor (e.g., Pancoast tumor), including chest wall resection, without chest wall reconstruction(s) (32503) |
| 🞎 Resection of apical lung tumor (e.g., Pancoast tumor), including chest wall resection, with chest wall reconstruction (32504) |
| **Lung Other** |
| 🞎 Open closure of major bronchial fistula (32815) |
| 🞎 Thoracoplasty with closure of bronchopleural fistula (32906) |
| 🞎 Single lung transplant (32851) |
| 🞎 Single lung transplant with CPB (32852) |
| 🞎 Double lung transplant (32853) |
| 🞎 Double lung transplant with CPB (32854) |
| **Mediastinum and Diaphragm** |
| 🞎 Thoracoscopy, diagnostic; mediastinal space, with biopsy (32606) |
| 🞎 Mediastinotomy with exploration or biopsy; cervical approach (39000) |
| 🞎 Mediastinotomy with exploration or biopsy; transthoracic approach (39010) |
| 🞎 Mediastinoscopy, with or without biopsy (39400) |
| 🞎 Unlisted procedure, mediastinum (39499) |
| 🞎 Unlisted procedure, diaphragm (39599) |
| 🞎 Thoracoscopy, surgical; with excision of mediastinal cyst, tumor, or mass (32662) |
| 🞎 Thoracoscopy with mediastinal and regional lymphadenectomy (+32674) List separately in addition to primary procedure code |
| 🞎 Thoracic lymphadenectomy, regional, including mediastinal and peritracheal nodes (38746) |
| 🞎 Mediastinal cyst, excision, open, Transthoracic approach (39200) |
| 🞎 Mediastinal tumor, excision, open, Transthoracic approach (39220) |
| 🞎 Thymus, resection via Thoracoscopy unilateral or bilateral (32673) |
| 🞎 Thymectomy, transcervical approach (60520) |
| 🞎 Thymectomy, transthoracic approach (60521) |
| 🞎 Thymectomy, transthoracic approach, with radical mediastinal dissection (60522) |
| 🞎 Diaphragm, laceration repair, any approach (39501) |
| 🞎 Diaphragmatic hernia repair (other than neonatal), traumatic; acute (39540) |
| 🞎 Diaphragmatic hernia repair (other than neonatal), traumatic; chronic (39541) |
| 🞎 Diaphragm imbrication (i.e., plication) of (39545) |
| 🞎 Diaphragm; resection with simple repair (e.g., primary suture) (39560) |
| 🞎 Diaphragm; resection with complex repair (e.g., prosthetic material, local muscle flap) (39561) |
| **Esophagoscopy** |
| 🞎 Esophagoscopy (43200) |
| 🞎 Esophagoscopy with biopsy (43202) |
| 🞎 Esophagoscopy with removal of foreign body (43215) |
| 🞎 Esophagoscopy with insertion of stent (43219) |
| 🞎 Esophagoscopy with balloon dilation (43220) |
| 🞎 Esophagoscopy with insertion of guide wire followed by dilation over guide wire (43226) |
| 🞎 Esophagoscopy with ablation of tumor (43228) |
| 🞎 Esophagoscopy with endoscopic ultrasound examination (EUS) (43231) |
| 🞎 Esophagoscopy with transendoscopic ultrasound-guided fine needle aspiration (43232) |
| 🞎 Upper gastrointestinal endoscopy, diagnostic (43235) |
| 🞎 Upper gastrointestinal endoscopy with endoscopic ultrasound examination limited to the esophagus (43237) |
| 🞎 Upper gastrointestinal endoscopy with transendoscopic ultrasound-guided FNA (43238) |
| 🞎 Upper gastrointestinal endoscopy with biopsy (43239) |
| 🞎 Upper gastrointestinal endoscopy with dilation of gastric outlet for obstruction (43245) |
| 🞎 Upper gastrointestinal endoscopy with directed placement of percutaneous gastrostomy tube (43246) |
| 🞎 Upper gastrointestinal endoscopy with removal of foreign body (43247) |
| 🞎 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) |
| **Esophagus Resection** |
| 🞎 Transhiatal-Total esophagectomy, without thoracotomy, with cervical esophagogastrostomy (43107) |
| 🞎 Three hole-Total esophagectomy with thoracotomy; with cervical esophagogastrostomy (43112) |
| 🞎 Ivor Lewis-Partial esophagectomy, distal two-thirds, with thoracotomy and separate abdominal incision (43117) |
| 🞎 Thoracoabdominal-Partial esophagectomy, thoracoabdominal approach (43122) |
| 🞎 Minimally invasive three hole esophagectomy  |
| 🞎 Minimally invasive esophagectomy, Ivor Lewis approach  |
| 🞎 Minimally invasive esophagectomy, Abdominal and neck approach  |
| 🞎 Total esophagectomy without thoracotomy; with colon interposition or small intestine reconstruction (43108) |
| 🞎 Total esophagectomy with thoracotomy; with colon interposition or small intestine reconstruction (43113) |
| 🞎 Partial esophagectomy, cervical, with free intestinal graft, including microvascular anastomosis (43116) |
| 🞎 Partial esophagectomy, with thoracotomy and separate abdominal incision with colon interposition or small intestine (43118) |
| 🞎 Partial esophagectomy, distal two-thirds, with thoracotomy only (43121) |
| 🞎 Partial esophagectomy, thoracoabdominal with colon interposition or small intestine (43123) |
| 🞎 Total or partial esophagectomy, without reconstruction with cervical esophagostomy (43124) |
| 🞎 Conduit revision s/p esophagectomy |
| **Esophagus Other Procedures** |
| 🞎 Cricopharyngeal myotomy (43030) |
| 🞎 Diverticulectomy of hypopharynx or esophagus, with or without myotomy; cervical approach (43130) |
| 🞎 Esophagostomy, fistulization of esophagus, external; cervical approach (43352) |
| 🞎 Closure of esophagostomy or fistula; cervical approach (43420) |
| 🞎 Excision esophageal lesion with primary repair, cervical approach (43100) |
| 🞎 Trans oral fundoplication |
| 🞎 Unlisted laparoscopy, esophagus (43289 ) |
| 🞎 Unlisted procedure, esophagus (43499) |
| 🞎 Per oral endoscopic myotomy (POEM) |
| 🞎 Laparoscopy, surgical with repair of paraesophageal hernia (fundoplasty) without mesh (43281)  |
| 🞎 Laparoscopy, surgical with repair of paraesophageal hernia (fundoplasty) with mesh (43282)  |
| 🞎 Laparoscopy, surgical, esophageal lengthening procedure (Collis) (43283) Secondary Procedure code |
| 🞎 Laparoscopy, surgical, esophagogastric fundoplasty (e.g., Nissen, Toupet procedures) (43280)  |
| 🞎 Laparoscopic esophageal myotomy (Heller Myotomy, with or without fundoplication ) (43279) |
| 🞎 Thoracoscopy, surgical; with esophagomyotomy (Heller type) (32665) |
| 🞎 Nissen fundoplasty- laparotomy (includes partial fundoplication/wrap) (43327) |
| 🞎 Transthoracic Fundoplication- open thoracotomy (includes Belsey/Nissen) (43328) |
| 🞎 Repair, paraesophageal hiatal hernia via laparotomy without mesh (43332) |
| 🞎 Repair, paraesophageal hiatal hernia via laparotomy with mesh (43333) |
| 🞎 Repair, paraesophageal hiatal hernia via thoracotomy without mesh (43334) |
| 🞎 Repair, paraesophageal hiatal hernia via thoracotomy with mesh (43335) |
| 🞎 Repair, paraesophageal hiatal hernia via thoracoabdominal approach without mesh (43336) |
| 🞎 Repair, paraesophageal hiatal hernia via thoracoabdominal approach with mesh (43337) |
| 🞎 Esophageal lengthening procedure - open (Collis) Secondary Procedure code (43338) |
| 🞎 Diverticulectomy of esophagus, with or without myotomy; thoracic approach (43135) |
| 🞎 Excision Esophageal lesion with primary repair, thoracic approach (eg: leiomyoma) (43101) |
| 🞎 Esophagoplasty with repair of TEF, cervical approach (43305) |
| 🞎 Esophagoplasty with repair TEF, thoracic approach (43312) |
| 🞎 Esophagomyotomy (Heller type); thoracic approach (43331) |
| 🞎 Gastrointestinal reconstruction for previous esophagectomy with stomach (43360) |
| 🞎 Gastrointestinal reconstruction for previous esophagectomy with colon interposition or small intestine (43361) |
| 🞎 Ligation or stapling at gastroesophageal junction for esophageal perforation (43405) |
| 🞎 Suture of esophageal wound or injury; cervical approach (43410) |
| 🞎 Suture of esophageal wound or injury; transthoracic or transabdominal approach (43415) |
| 🞎 Free jejunum transfer with microvascular anastomosis (43496) |
| 🞎 Total gastrectomy with esophagoenterostomy (43620) |
| 🞎 Total gastrectomy with Roux-en-Y reconstruction (43621) |
|  |
| **Chest Wall and Neck** |
| 🞎 Excision tumor, soft tissue of neck or thorax; subcutaneous (21555) |
| 🞎 Excision tumor, soft tissue of neck or thorax; deep, subfascial, intramuscular (21556) |
| 🞎 Excision of rib, partial (21600) |
| 🞎 Excision first and/or cervical rib (21615) |
| 🞎 Excision first and/or cervical rib; with sympathectomy (21616) |
| 🞎 Division of scalenus anticus; without resection of cervical rib (21700) |
| 🞎 Division of scalenus anticus; with resection of cervical rib (21705) |
| 🞎 Open treatment of sternum fracture with or without skeletal fixation (21825) |
| 🞎 Hyoid myotomy and suspension (21685) secondary procedure code |
| 🞎 Removal of sternal wire(s) |
| 🞎 Unlisted procedure, neck or thorax (21899) |
| 🞎 Major reconstruction, chest wall (posttraumatic) (32820) |
| 🞎 Muscle flap, neck (15732) |
| 🞎 Muscle flap; trunk (i.e., intercostal, pectoralis or serratus muscle) (15734) |
| 🞎 Excision of chest wall tumor including ribs (19260) |
| 🞎 Excision of chest wall tumor involving ribs, with reconstruction (19271) |
| 🞎 Radical resection of tumor (e.g., malignant neoplasm), soft tissue of neck or thorax (21557) |
| 🞎 Radical resection of sternum (21630) |
| 🞎 Radical resection of sternum; with mediastinal lymphadenectomy (21632) |
| 🞎 Reconstructive repair of pectus excavatum or carinatum; open (21740) |
| 🞎 Reconstructive repair of pectus, minimally invasive approach (Nuss procedure), without thoracoscopy (21742) |
| 🞎 Reconstructive repair of pectus, minimally invasive approach (Nuss procedure), with thoracoscopy (21743) |
|  |
| **Miscellaneous** |
| 🞎 Thoracoscopy, diagnostic pericardial sac, with biopsy (32604) |
| 🞎 Thoracoscopy, surgical; with removal of clot or foreign body from pericardial sac (32658) |
| 🞎 Thoracoscopy, surgical; with creation of pericardial window or partial resection of pericardial sac for drainage (32659) |
| 🞎 Tube pericardiostomy (33015) |
| 🞎 Pericardial window (33025) |
| 🞎 Thoracoscopy, surgical; with thoracic sympathectomy (32664) |
| 🞎 Removal substernal thyroid, cervical approach (60271) |
| 🞎 Application of wound vac (97605, 97606) |
| 🞎 Stereotactic radiosurgery (SRS) and stereotactic body radiotherapy (SBRT),surgeon participation (32701) |
| 🞎 Other Minor Procedure  |
| 🞎 Thoracoscopy, surgical; with total pericardiectomy (32660) |
| 🞎 Thoracoscopy, surgical; with excision of pericardial cyst, tumor, or mass (32661) |
| 🞎 Ligation thoracic duct (38381) |
| 🞎 Intraoperative jejunostomy (44015) |
| 🞎 Omental flap (49904) |
| 🞎 Transthoracic thyroidectomy (60270) |
| 🞎 SVC resection and reconstruction (34502) |
| 🞎 Other  |
| **Procedure Unlisted – Specify:**ProcOth(1490) | Enter Name of unlisted Procedure(s):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Procedure Unlisted – CPT:**ProcOthCPT(1491) | Enter 5 digit CPT code(s) of unlisted procedure, if known:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  |
| Lung Resection Performed:LungResect (1510)  | 🞎 Yes 🞎 No | *If Yes* → | Laterality: 🞎 Right 🞎 Left 🞎 BilateralLaterality (1520)Bronchus covered with vascularized tissue: 🞎 Yes 🞎 No 🞎 UnknownBronchCovTis (1521) |
| Esophagectomy Performed:Esophag (1522) | 🞎 Yes 🞎 No | *If Yes* → | Gastric emptying intervention:GasEmpty (1523) | 🞎 Pyloroplasty 🞎 Pyloromyotomy🞎 Botox injection 🞎 Other 🞎 None |
| **Patient Disposition:**PatDisp (1530) | 🞎 ICU  | 🞎 Intermediate Care Unit | 🞎 Regular Floor Bed  |
| 🞎 Not Applicable (Expired in OR) | 🞎 Outpatient or Observation Status |  |
| ICU Admit this admission:ICUVisitInit(1532) | 🞎 Yes 🞎 No |
| *If Yes* → | Initial ICU Days: \_\_\_\_\_\_ICUVisitInitDays(1533) | ICU Readmit: 🞎 Yes 🞎 NoICUVisitAdd(1534) | *If Yes* → | Additional ICU Days: \_\_\_\_\_\_\_ICUVisitAddDays(1535) |
| ***Pathological Staging of the Lung - to be completed if lung cancer documented AND lung resection performed******(Pre-Operative Evaluation – Lung Cancer = Yes)*** |
| *If Yes* → | Lung Tumor:PathStageLungT(1540) | 🞎 TX*Tumor cannot be assessed* | 🞎 T0*No evidence of primary tumor* | 🞎 Tis*Carcinoma in situ* | 🞎 T1a*Tumor ≤ 2cm* |
|  | 🞎 T1b*Tumor >2 cm but ≤ 3 cm* | 🞎 T2a*Tumor >3cm but ≤5 cm or tumor of lesser size which invades main bronchus ≥ 2 cm distal to carina, invades visceral pleura or associated with atelectasis or pneumonitis which extends to the hilar region but does not involve the entire lung* | 🞎 T2b*Tumor >5 cm but ≤ 7cm* |
|  | 🞎 T3*Tumor > 7 cm or one of any size that invades parietal pleura,* ***chest wall, diaphragm, phrenic nerve, pericardium, main*** *bronchus (not involving carina), causes obstructive atelectasis or pneumonitis of the entire lung or a separate tumor in the same lobe* | 🞎 T4*Tumor of any size that invades mediastinum, heart, great vessels, trachea, recurrent laryngeal nerve, esophagus, vertebral body, carina or separate tumor in a different ipsilateral lobe* |
|  | Lung CA Nodes: PathStageLungN(1550) | 🞎 NX*Regional lymph nodes cannot be assessed* | 🞎 N0*No regional lymph node metastasis* | 🞎 N1*Metastasis in ipsilateral peribronchial and/or ipsilateral hilar nodes, intrapulmonary nodes, includes direct extension* |
| 🞎 N2*Metastasis in ipsilateral mediastinal and/or subcarinal lymph node(s)* | 🞎 N3*Metastasis in contralateral mediastinal, contralateral hilar, ipsilateral or contralateral scalene or supraclavicular lymph node(s)* |
|  | Lung CA Metastases: PathStageLungM(1560) | 🞎 M0*No distant metastasis* | 🞎 M1*Distant metastasis* |  |  |  |
|  | Lung CA Histology:LungCAHist (1561) | 🞎 Carcinoma in situ –Bronchioalveolar (BAC)🞎 Large cell 🞎 Small Cell  | 🞎 Adenocarcinoma🞎 Neuroendocrine  | 🞎 Squamous cell🞎 Mixed |
|  |  | *If Neuroendocrine* → 🞎 Low grade 🞎 Intermediate grade 🞎 High gradeLungCAHistGrade (1562) |
|  | Total # of Lymph Nodes sampled/harvested:\_\_\_\_\_LungCANodes(1570) | Total # of Nodal Stations sampled/harvested:\_\_\_\_\_ LungCANodStat (1571) |
|  | Lung CA Resection Margins Positive: 🞎 Yes 🞎 NoLungCAPathMarg(1580) |  |
| ***Pathological Staging of the Esophagus to be completed if esophageal cancer documented AND esophageal resection performed (Pre-Operative Evaluation – Esophageal Cancer = Yes)*** |
|  *If Yes* → | Esophageal Tumor: PathStageEsophT (1590) | 🞎 TX*Tumor cannot be assessed* | 🞎 T0*No evidence of primary tumor* | 🞎 Tis*High Grade Dysplasia* | 🞎 T1a*Tumor invades lamina propria or muscularis mucosa* | 🞎 T1b*Tumor invades submucosa* |
| 🞎 T2*Tumor invades muscularis propria* | 🞎 T3*Tumor invades adventitia* | 🞎 T4a*Resectable tumor invades pleura, pericardium or diaphragm* | 🞎 T4b*Unresectable tumor invading other adjacent structures such as aorta, vertebral body, trachea, etc.* |
|  | Esophageal CA Nodes: PathStageEsophN (1600) | 🞎 NX*Regional lymph nodes cannot be assessed* | 🞎 N0*No regional lymph node metastasis* | 🞎 N1*Metastasis in 1-2 regional nodes* |
| 🞎 N2*Metastasis in 3-6 regional lymph nodes* | 🞎 N3*Metastasis in 7 or more regional lymph nodes* |
|  | Esophageal CA Metastases: PathStageEsophM (1610) | 🞎 M0*No distant metastasis* | 🞎 M1*Distant metastasis* | Esoph Histopathologic Type:PathStageEsophH(1620) | 🞎 H1Squamous Carcinoma |  🞎 H2 🞎 Other Adenocarcinoma |
|  | Esophageal CA Histologic Grade: PathStageEsophG (1630) | 🞎 GX*Grade cannot be assessed* | 🞎 G1*Well differentiated* | 🞎 G2*Moderately differentiated* |
| 🞎 G3*Poorly differentiated* | 🞎 G4*Undifferentiated* |
|  | Total # of Lymph Nodes sampled/harvested: \_\_\_\_\_\_\_ EsophCANodes(1640) | Esophageal CA Resection Margins Positive: 🞎 Yes 🞎 NoEsophCAPathMarg(1650)  |
| **Post-Operative 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. |
| **Postoperative Events?** 🞎 Yes 🞎 No *If Yes, select all that occurred: ↓* POEvents (1710) |
|  | Unexpected Return to the OR: 🞎 Yes 🞎 NoReturnOR (1720) | *If Yes* → Primary Reason for Return to OR: ReturnORRsn(1730)🞎 Bleeding 🞎 Anastomotic leak following esophageal surgery 🞎 Bronchopleural Fistula 🞎 Empyema 🞎 Chylothorax req. surgical ligation of thoracic duct 🞎 Conduit necrosis/failure following esophageal surgery 🞎 Other |
|  | **Pulmonary** |
|  | Air leak > 5 days durationAirLeak5 (1750) | 🞎 Yes 🞎 No | Atelectasis req. bronchoscopyAtelectasis (1760) | 🞎 Yes 🞎 No | Pleural Effusion req. drainageCPlEff(1770) | 🞎 Yes 🞎 No |
|  | PneumoniaPneumonia (1780) | 🞎 Yes 🞎 No | Adult Respiratory Distress Syndrome (ARDS)ARDS (1790) | 🞎 Yes 🞎 No | Respiratory FailureRespFail(1800) | 🞎 Yes 🞎 No |
|  | Bronchopleural FistulaBronchopleural (1810) | 🞎 Yes 🞎 No | Pulmonary EmbolusPE(1820) | 🞎 Yes 🞎 No | Pneumothorax req. CT reinsertionPneumo(1830) | 🞎 Yes 🞎 No |
|  | Initial Vent Support > 48 HrVent(1840) | 🞎 Yes 🞎 No | TracheostomyTrach(1860) | 🞎 Yes 🞎 No | Tracheobronchial InjuryTrachBronchInj (1861) | 🞎 Yes 🞎 No |
|  | Other Pulmonary EventOtherPul(1870) | 🞎 Yes 🞎 No  |  |  |  |
|  | **Cardiovascular** |
|  | Atrial arrhythmia req. treatmentAtrialArryth (1880) | 🞎 Yes 🞎 No | Ventricular arrhythmia req. treatmentVentArryth (1890) | 🞎 Yes 🞎 No | Myocardial infarctMI (1900) | 🞎 Yes 🞎 No |
|  | Deep venous thrombosis (DVT) req. treatmentDVT (1910) | 🞎 Yes 🞎 No | Other CV eventOtherCV (1920) | 🞎 Yes 🞎 No |  |
|  | **Gastrointestinal** |
|  | IleusIleus (1940) | 🞎 Yes 🞎 No | Anastomotic leak requiring medical treatment onlyAnastoMed(1950) | 🞎 Yes 🞎 No |
|  | Dilation esophagusDilationEsoph (1970) | 🞎 Yes 🞎 No | Conduit Necrosis Requiring SurgeryCondNecSurg (1971) | 🞎 Yes 🞎 No |
|  | Delayed conduit emptying requiring intervention (pyloric dilatation or botox) or maintenance of NG drainage > 7 days post opDelayCondEmp (1972) | 🞎 Yes 🞎 No |
|  | Clostridium Difficile infectionCDiff 1973 | 🞎 Yes 🞎 No | Other GI event OtherGI (1980) | 🞎 Yes 🞎 No |  |
|  | **Hematology** |
|  | Packed red blood cellsPostopPRBC (1990) | 🞎 Yes 🞎 No | *If Yes→* # Units \_\_\_\_\_\_\_\_\_ PostopPRBCUnits (2000) |
|  | **Urologic** |
|  | Urinary tract infectionUTI (2010) | 🞎 Yes 🞎 No | Urinary retention req. CatheterizationUrinRetent(2020) | 🞎 Yes 🞎 No | Discharged with Foley catheterDischFoley(2030) | 🞎Yes 🞎 No |
|  | **Infection** |
|  | Empyema req. treatmentEmpyema (2040) | 🞎 Yes 🞎 No | Surgical Site Infection 🞎 None 🞎 Superficial 🞎 Deep 🞎 Organ space SurgSiteInfect(2060) |
|  | SepsisSepsis (2070) | 🞎 Yes 🞎 No | Another infection req. IV antibioticsOtherInfect (2080) | 🞎 Yes 🞎 No |  |
|  | **Neurology** |
|  | New central neurological event CentNeuroEvt (2090) | 🞎 Yes 🞎 No | Recurrent laryngeal nerve paresis RecLarynParesis (2100) | 🞎 Yes 🞎 No | DeliriumDelirium (2110) | 🞎 Yes 🞎 No |
|  | Other neurological eventOtherNeuro (2120) | 🞎 Yes 🞎 No |  |  |  |  |
|  | **Miscellaneous** |
|  | New renal failure per RIFLE criteriaRenFailRIFLE (2140) | 🞎 Yes 🞎 No | Chylothorax req. medical interventionChyloMed (2150) | 🞎 Yes 🞎 No |
|  | Other events req. OR with gen. anesthesiaOtherSurg (2170) | 🞎 Yes 🞎 No | Unexpected Admission to ICU UnexpectAdmitICU (2180) | 🞎 Yes 🞎 No |
| **Discharge** |
| **Date of Discharge:** \_\_\_\_\_\_/\_\_\_\_\_\_/\_\_\_\_\_\_\_\_DischDt (2190) | **Discharge Status:** 🞎 Alive 🞎 DeadMtDCStat (2200) |
| *If Alive →* | Discharge location:DisLoctn (2210) | 🞎 Home 🞎 Extended Care/Transitional Care Unit /Rehab🞎 Other Hospital 🞎 Nursing Home 🞎 Hospice 🞎 Other  |
|  | Discharged with chest tube: 🞎 Yes 🞎 NoCTubeDis (2220) |
|  | Readmit to any hospital within 30 days of discharge: 🞎 Yes 🞎 No 🞎 UnknownReadm30Dis(2230)  |
|  | *If Yes* → | Readmission related to operative procedure? 🞎 Yes 🞎 No 🞎 UnknownReadm30DisRel (2231) |
|  | **Status at 30 days after surgery:** 🞎 Alive 🞎 Dead 🞎 Unknown Mt30Stat (2240) |
| **Quality Measures** |
| IV antibiotics ordered to be given within 1 hour before incision:IVAntibioOrdered (2290) | 🞎 Yes 🞎 No 🞎 Not indicated for procedure |
| IV antibiotics given within 1 hour before incision: IVAntibioGiven (2300)  | 🞎 Yes 🞎 No 🞎 Not indicated for procedure |
| Cephalosporin Antibiotic OrderedCephalAntiOrdered (2310) | 🞎 Yes 🞎 No 🞎 Not indicated for procedure 🞎 Documented allergy or indication for therapeutic substitution |
| Prophylactic Antibiotic Discontinuation Ordered within 24 hrAntibioticDiscOrdered (2320) | 🞎 Yes 🞎 No 🞎 No, due to documented infection🞎 Not indicated for procedure |
| DVT Prophylaxis Measures employedDVTProphylaxis (2330) | 🞎 Yes 🞎 No 🞎 Not applicable |
| Smoking Cessation CounselingSmokCoun (2340) | 🞎 Yes 🞎 No 🞎 Patient refused 🞎 Nonsmoker |