# STS National Database

Trusted. Transformed. Real-Time.



Society of Thoracic Surgeons

General Thoracic Surgery Database
User Group Call

October 18, 2021





## General Thoracic Harvest Announcement

- Fall 2021 Harvest Closes This Week
  - File submission deadline is
    - Friday, October 22 @ 11:59pm ET
      - ➤ Surgery dates up through 6/30/2021
  - Opt Out by Tuesday, October 26<sup>th</sup>
    - ➤ Opt Out form on STS Website: <a href="https://www.sts.org/form/harvest-opt-out-form">https://www.sts.org/form/harvest-opt-out-form</a>

# Post AQO Update

 Beginning with the Fall 2021 Analysis – New methodology will be implemented to calculate the Mortality
 Missingness threshold



## Major – Analyzed Procedures

- Major/Analyzed (Required)
  - Confirmed Lung Cancer Resections
  - Confirmed Esophageal Cancer Resections
  - Benchmark Data Provided
  - Risk Adjusted
- Major/Analyzed (Not Required)
  - Optional Procedures
    - Thymus/Mediastinal Mass/Myasthenia Gravis
    - Tracheal Resection
    - Hiatal Hernia/GERD
  - Benchmark Data Provided
  - Not Risk Adjusted

		/zed Procedures
	(must complete required field Lung Cancer F	ds that are underlined and in blue) tesection (Required)
		ight = 60
Analyzed Cases	☐ Thoracoscopy, surgical; with lobectomy (32663) **	☐ Removal of lung, two lobes (bilobectomy) (32482) **
	☐ Thoracoscopy with therapeutic wedge resection (eg mass or nodule) initial, unilateral (32666) **	☐ Removal of lung, single segment (segmentectomy) (32484) **
	☐ Thoracoscopy with removal of a single lung segment (segmentectomy) (32669) **	□ Removal of lung, sleeve lobectomy (32486) **
	☐ Thoracoscopy with removal of two lobes (bilobectomy) (32670) **	Removal of lung, completion pneumonectomy (32488)
	☐ Thoracoscopy with removal of lung, pneumonectomy (32671) **	□ Resection and repair of portion of bronchus (bronchoplasty) when performed at time of lobectomy or segmentectomy (32501) **
	☐ Thoracotomy with therapeutic wedge resection (eg mass nodule) initial (32505) **	□ Resection of apical lung tumor (e.g., Pancoast tumor), including chest wall resection, without chest wall reconstruction(s) (32503)
	□ Removal of lung, total pneumonectomy; (32440)	☐ Resection of apical lung tumor (e.g., Pancoast tumor), including chest wall resection, with chest wall reconstruction (32504)
	Removal of lung, sleeve (carinal) pneumonectomy (32442)	Resection of lung with resection of chest wall
	☐ Removal of lung, single lobe (lobectomy) (32480) **	
Concomitant Procedures Weight = 20	☐ Thoracoscopy with therapeutic wedge resection (eg mass	☐ Thoracotomy with diagnostic wedge resection followed by anatomic
	or nodule) each additional resection, ipsilateral (32667) List separately in addition to primary procedure code	lung resection (+32507), List separately in addition to primary proc code
	☐ Thoracoscopy with mediastinal and regional lymphadenectomy (+32674) 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
alght	☐ Thoracotomy with therapeutic wedge resection (eg mass	Code
Ē Š	nodule) each additional resection, ipsilateral (+32506) List separately in addition to primary procedure code	
Cono		
		section (Required) ight = 70
	We anshiatal-Total esophagectomy, without thoracotomy, with	ight = 70  □ Partial esophagectomy, distal two-thirds, with thoracotomy only
ervio	we anshiatal-Total esophagectomy, without thoracotomy, with cal esophagogastrostomy (43107) **	ight = 70  Partial esophagectomy, distal two-thirds, with thoracotomy only  (43121)
To	we anshiatal-Total esophagectomy, without thoracotomy, with tal esophagogastrostomy (43107) ** tal esophagogastrostomy without thoracotomy; with colon	ight = 70  Partial esophagectomy, distal two-thirds, with thoracotomy only (43121) **  Thoracoabdominal-Partial esophagectomy, thoracoabdominal
To nterp	we anshiatal-Total esophagectomy, without thoracotomy, with tal esophagogastrostomy (43107) ** tal esophagectomy without thoracotomy; with colon osition or small intestine reconstruction (43108) ** ree incision -Total esophagectomy with thoracotomy; with	ight = 70  Partial esophagectomy, distal two-thirds, with thoracotomy only (43121) **  Thoracoabdominal-Partial esophagectomy, thoracoabdominal approach (43122) **  Partial esophagectomy, thoracoabdominal with colon interposition or
To nterp Th ervice	we anshiatal-Total esophagectomy, without thoracotomy, with tal esophagogastrostomy (43107) ** tal esophagectomy without thoracotomy; with colon osition or small intestine reconstruction (43108) ** ree Incision -Total esophagectomy with thoracotomy; with tal esophagogastrostomy (43112) **	ight = 70    Partial esophagectomy, distal two-thirds, with thoracotomy only (43121)**    Thoracoabdominal-Partial esophagectomy, thoracoabdominal approach (43122)**    Partial esophagectomy, thoracoabdominal with colon interposition or small intestine (43123) **
To nterp Th ervic	we anshiatal-Total esophagectomy, without thoracotomy, with tal esophagogastrostomy (43107) ** tal esophagectomy without thoracotomy; with colon osition or small intestine reconstruction (43108) ** ree incision -Total esophagectomy with thoracotomy; with	ight = 70  Partial esophagectomy, distal two-thirds, with thoracotomy only (43121) **  Thoracoabdominal-Partial esophagectomy, thoracoabdominal approach (43122) **  Partial esophagectomy, thoracoabdominal with colon interposition or
nterpion The cervice To or sm	we anshiatal-Total esophagectomy, without thoracotomy, with tal esophagogastrostomy (43107) ** tal esophagectomy without thoracotomy; with colon osition or small intestine reconstruction (43108) ** ree Incision -Total esophagectomy with thoracotomy; with tal esophagogastrostomy (43112) ** tal esophagectomy with thoracotomy; with colon interposition iall intestine reconstruction (43113) ** trial esophagectomy, cervical, with free intestinal graft,	ight = 70  Partial esophagectomy, distal two-thirds, with thoracotomy only (43121) **  Thoracoabdominal-Partial esophagectomy, thoracoabdominal approach (43122) **  Partial esophagectomy, thoracoabdominal with colon interposition or small intestine (43123) **  Total or partial esophagectomy, without reconstruction with cervical
cervice To interper To or small Parinduce Include Incl	we anshiatal-Total esophagectomy, without thoracotomy, with tal esophagogastrostomy (43107) ** tal esophagectomy without thoracotomy; with colon rosition or small intestine reconstruction (43108) ** ree incision -Total esophagectomy with thoracotomy; with tal esophagogastrostomy (43112) ** tal esophagogastrostomy (43112) ** tal esophagectomy with thoracotomy; with colon interposition all intestine reconstruction (43113) ** trial esophagectomy, cervical, with free intestinal graft, fing microvascular anastomosis (43116) r Lewis-Partial esophagectomy, distal two-thirds, with	ight = 70  □ Partial esophagectomy, distal two-thirds, with thoracotomy only (43121) **  □ Thoracoabdominal-Partial esophagectomy, thoracoabdominal approach (43122) **  □ Partial esophagectomy, thoracoabdominal with colon interposition or small intestine (43123) **  □ Total or partial esophagectomy, without reconstruction with cervical esophagestomy (43124)
cervice To nterp The cervice To or small lvo	We anshiatal-Total esophagectomy, without thoracotomy, with tal esophagogastrostomy (43107) ** tal esophagogastrostomy (43107) ** tal esophagectomy without thoracotomy; with colon osition or small intestine reconstruction (43108) ** ree Incision - Total esophagectomy with thoracotomy; with tal esophagogastrostomy (43112) ** tal esophagoctomy with thoracotomy; with colon interposition all intestine reconstruction (43113) ** trial esophagectomy, cervical, with free intestinal graft, fing microvascular anastomosis (43116) r t Lewis-Partial esophagectomy, distal two-thirds, with colomy and separate abdominal incision (43117) **	ight = 70
To nterp The cervice To or small Pancel Panc	we anshiatal-Total esophagectomy, without thoracotomy, with tal esophagogastrostomy (43107) ** tal esophagectomy without thoracotomy; with colon rosition or small intestine reconstruction (43108) ** ree incision -Total esophagectomy with thoracotomy; with tal esophagogastrostomy (43112) ** tal esophagogastrostomy (43112) ** tal esophagectomy with thoracotomy; with colon interposition all intestine reconstruction (43113) ** trial esophagectomy, cervical, with free intestinal graft, fing microvascular anastomosis (43116) r Lewis-Partial esophagectomy, distal two-thirds, with	ight = 70
□ To nterp □ Th cervic □ To r sm □ Pa ncluc □ Ivo thora □ Pa sabdor (4311	we anshiatal-Total esophagectomy, without thoracotomy, with tal esophagogastrostomy (43107) ** tal esophagectomy without thoracotomy; with colon iosition or small intestine reconstruction (43108) ** ree Incision -Total esophagectomy with thoracotomy; with thoracotomy; with cal esophagogastrostomy (43112) ** tal esophagectomy with thoracotomy; with colon interposition all intestine reconstruction (43113) ** ritial esophagectomy, cervical, with free intestinal graft, fing microvascular anastomosis (43116) for Lewis-Partial esophagectomy, distal two-thirds, with cotomy and separate abdominal incision (43117) ** ritial esophagectomy, with thoracotomy and separate minal incision with colon interposition or small intestine 8) **  Hiatal Hernia / GER	ight = 70  Partial esophagectomy, distal two-thirds, with thoracotomy only (43121)**  Thoracoabdominal-Partial esophagectomy, thoracoabdominal approach (43122)**  Partial esophagectomy, thoracoabdominal with colon interposition or small intestine (43123)**  Total or partial esophagectomy, without reconstruction with cervical esophagostomy (43124)  Minimally invasive three incision esophagectomy (McKeown) (43288)  Minimally invasive esophagectomy, lvor Lewis approach (43287)**  Minimally invasive esophagectomy, Abdominal and neck approach (43288)**  Drocedures (Optional) ight = 30
Dervice To nterp The Dervice To	we anshiatal-Total esophagectomy, without thoracotomy, with tal esophagectomy without thoracotomy, with colon osition or small intestine reconstruction (43108) ** reee incision -Total esophagectomy with thoracotomy; with thoracotomy; with tal esophagestomy with thoracotomy; with colon interposition all intestine reconstruction (43113) ** rital esophagectomy, cervical, with free intestinal graft, ting microvascular anastomosis (43116) *  r Lewis-Partial esophagectomy, distal two-thirds, with colomy and separate abdominal incision (43117) ** rital esophagectomy, with thoracotomy and separate minal incision with colon interposition or small intestine 8) **  Hiatal Hernia / GER We parasocopy, surgical, esophagegastric fundoplasty (e.g., n, Toupet procedures) (43280)	ight = 70  □ Partial esophagectomy, distal two-thirds, with thoracotomy only (43121)**  □ Thoracoabdominal-Partial esophagectomy, thoracoabdominal approach (43122)**  □ Partial esophagectomy, thoracoabdominal with colon interposition or small intestine (43123)**  □ Total or partial esophagectomy, without reconstruction with cervical esophagestomy (43124)  □ Minimally invasive three incision esophagectomy (McKeown) (43288)  □ Minimally invasive esophagectomy, Ivor Lewis approach (43287)**  □ Minimally invasive esophagectomy, Abdominal and neck approach (43286)**  D Procedures (Optional) ight = 30  □ Repair, paraesophageal histal hernia via laparolomy with mesh (43333)
cervic To To To Pa The	we anshiatal-Total esophagectomy, without thoracotomy, with tal esophagogastrostomy (43107)** tal esophagoctomy without thoracotomy; with colon osition or small intestine reconstruction (43108) ** ree lincision -Total esophagoctomy with thoracotomy; with cale sophagocastrostomy (43112) ** tal esophagoctomy with horacotomy; with colon interposition tall intestine reconstruction (43113) ** rital esophagoctomy, cervical, with free intestinal graft, fing microvascular anastomosis (43116) in Lewis-Partial esophagoctomy, distal two-thirds, with cotomy and separate abdominal incision (43117) ** rital esophagectomy, with thoracotomy and separate minal incision with colon interposition or small intestine 8) **  Hiatal Hernia / GER We paroscopy, surgical, esophagogastric fundoplasty (e.g., n., Toupet procedures) (43280) passopy, surgical with repair of paraesophagoal hernia papasty) without mesh (43281)	ight = 70  Partial esophagectomy, distal two-thirds, with thoracotomy only (43121)**  Thoracoabdominal-Partial esophagectomy, thoracoabdominal approach (43122)**  Partial esophagectomy, thoracoabdominal with colon interposition or small intestine (43123)**  Total or partial esophagectomy, without reconstruction with cervical esophagostomy (43124)  Minimally invasive three incision esophagectomy (McKeown) (43288)  Minimally invasive esophagectomy, Ivor Lewis approach (43287)**  Minimally invasive esophagectomy, Abdominal and neck approach (43286)**  Procedures (Optional) [ght = 30  Repair, paraesophageal histal hernia via laparotomy with mesh (43333)  Repair, paraesophageal histal hernia via thoracotomy without mesh (43333)
cervice   To	we anshiatal-Total esophagectomy, without thoracotomy, with tal esophagogastrostomy (43107)** tal esophagectomy without thoracotomy; with colon ossition or small intestine reconstruction (43108) ** ree Incision -Total esophagectomy with thoracotomy; with colon insition or small intestine reconstruction (43112) ** tal esophagectomy with horacotomy; with colon interposition all intestine reconstruction (43113) ** rial esophagectomy, cervical, with free intestinal graft, fing microvascular anastomosis (43116) r Lewis-Partial esophagectomy, distal two-thirds, with colomy and separate abdominal incision (43117) ** rial esophagectomy, with thoracotomy and separate minal incision with colon interposition or small intestine (8) **  Hiatal Hernia / GER We paroscopy, surgical, esophagogastric fundoplasty (e.g., n, Toupet procedures) (43280) anaroscopy, surgical with repair of paraesophageal hernia oplasty) without mesh (43281) paroscopy, surgical with repair of paraesophageal hernia oplasty) without mesh (43282)	Interest   Interest
cervice contemporary to the cervice of the cervice	we anshiatal-Total esophagectomy, without thoracotomy, with tal esophagectomy without thoracotomy, with colon osition or small intestine reconstruction (43108) ** rese incision -Total esophagectomy with thoracotomy; with all esophagestomy with thoracotomy; with thoracotomy; with all esophagestomy with thoracotomy; with colon interposition all intestine reconstruction (43113) ** rital esophagectomy, with thoracotomy; with colon interposition all intestine reconstruction (43113) ** rital esophagectomy, cervical, with free intestinal graft, ding microvascular anastomosis (43116) ** r Lewis-Partial esophagectomy, distal two-thirds, with cotomy and separate abdominal incision (43117) ** rital esophagectomy, with thoracotomy and separate minal incision with colon interposition or small intestine 8) **  Hiatal Hernia / GER We paroscopy, surgical, esophagegastric fundoplasty (e.g., n, Toupet procedures) (43280) paroscopy, surgical with repair of paraesophageal hernia oplasty) without mesh (43281) paroscopy, surgical with repair of paraesophageal hernia oplasty) with mesh (43282) sen fundoplasty- laparotomy (includes partial piciation/wap) (43327)	ight = 70  □ Partial esophagectomy, distal two-thirds, with thoracotomy only (43121)**  □ Thoracoabdominal-Partial esophagectomy, thoracoabdominal approach (43122)**  □ Partial esophagectomy, thoracoabdominal with colon interposition or small intestine (43123)**  □ Total or partial esophagectomy, without reconstruction with cervical esophagostomy (43124)  □ Minimally invasive three incision esophagectomy (McKeown) (43288)  □ Minimally invasive esophagectomy, Ivor Lewis approach (43287)**  □ Minimally invasive esophagectomy, Abdominal and neck approach (43286)**  □ Procedures (Optional) ight = 30  □ Repair, paraesophageal histal hernia via thoracotomy with mesh (43334)  □ Repair, paraesophageal histal hernia via thoracotomy with mesh (43335)  □ Repair, paraesophageal histal hernia via thoracotomy with mesh (43335)
cervice   To	we anshiatal-Total esophagectomy, without thoracotomy, with tal esophagectomy without thoracotomy, with colon osition or small intestine reconstruction (43108) ** ree incision -Total esophagectomy with thoracotomy; with colon osition or small intestine reconstruction (43108) ** ree incision -Total esophagectomy with thoracotomy; with cale sophagectomy with thoracotomy; with colon interposition all intestine reconstruction (43113) ** rtial esophagectomy, with thoracotomy; with colon interposition all intestine reconstruction (43113) ** rtial esophagectomy, cervical, with free intestinal graft, fing microvascular anastomosis (43116) r Lewis-Partial esophagectomy, distal two-thirds, with colony and separate abdominal incision (43117) ** rtial esophagectomy, with thoracotomy and separate minal incision with colon interposition or small intestine 8) **  Hiatal Hernia / GER We paroscopy, surgical, esophagegastric fundoplasty (e.g., n, Toupet procedures) (43280) paroscopy, surgical with repair of paraesophageal hernia oplasty) with mesh (43281) paroscopy, surgical with repair of paraesophageal hernia oplasty) with mesh (43281) paroscopy, surgical with repair of paraesophageal hernia oplasty) with mesh (43281) paroscopy, surgical with repair of paraesophageal hernia oplasty) with mesh (43281) paroscopy, surgical with repair of paraesophageal hernia oplasty) with mesh (43281) paroscopy, surgical with repair of paraesophageal hernia oplasty) with mesh (43282) paroscopy, surgical with repair of paraesophageal hernia oplasty) with mesh (43281)	ight = 70  □ Partial esophagectomy, distal two-thirds, with thoracotomy only ((43121)**  □ Thoracoabdominal-Partial esophagectomy, thoracoabdominal approach (43122)**  □ Partial esophagectomy, thoracoabdominal with colon interposition or small intestine (43123)**  □ Total or partial esophagectomy, without reconstruction with cervical esophagestomy (43124)  □ Minimally invasive three incision esophagectomy (McKeown) (43288)  □ Minimally invasive esophagectomy, Ivor Lewis approach (43287)**  □ Minimally invasive esophagectomy, Abdominal and neck approach (43286)**  □ Procedures (Optional) (ight = 30)  □ Repair, paraesophageal hiatal hernia via thoracotomy with mesh (43333)  □ Repair, paraesophageal hiatal hernia via thoracotomy with mesh (433335)  □ Repair, paraesophageal hiatal hernia via thoracotomy with mesh (433336)  □ Repair, paraesophageal hiatal hernia via thoracoabdominal approach without mesh (43336)  □ Repair, paraesophageal hiatal hernia via thoracoabdominal approach without mesh (43336)  □ Repair, paraesophageal hiatal hernia via thoracoabdominal approach without mesh (43336)
cervice   To	we anshiatal-Total esophagectomy, without thoracotomy, with tal esophagogastrostomy (43107)** tal esophagoctomy without thoracotomy; with colon osition or small intestine reconstruction (43108) ** ree incision -Total esophagectomy with thoracotomy; with cale sophagogastrostomy (43112) ** tal esophagoctomy with thoracotomy; with colon interposition tall intestine reconstruction (43113) ** rital esophagoctomy, cervical, with free intestinal graft, fing microvascular anastomosis (43116) in Lewis-Partial esophagectomy, distal two-thirds, with cotomy and separate abdominal incision (43117) ** rital esophagectomy, with thoracotomy and separate minal incision with colon interposition or small intestine 8) **  Hiatal Hernia / GER We paroscopy, surgical, esophagogastric fundoplasty (e.g., n., Toupet procedures) (43280) paroscopy, surgical with repair of paraesophageal hernia oplasty) without mesh (43281) paroscopy, surgical with repair of paraesophageal hernia oplasty) without mesh (43281) paroscopy, surgical with repair of paraesophageal hernia oplasty) without mesh (43282) sen fundoplasty-laparotomy (includes partial plication/wap) (43327) insthoracic Fundoplication- open thoracotomy (includes yiNissen) (43328) pair, paraesophageal histal hernia via laparotomy without (433328)	ight = 70  Partial esophagectomy, distal two-thirds, with thoracotomy only (43121)**  Thoracoabdominal-Partial esophagectomy, thoracoabdominal approach (43122)**  Partial esophagectomy, thoracoabdominal with colon interposition or small intestine (43123)**  Total or partial esophagectomy, without reconstruction with cervical esophagostomy (43124)  Minimally invasive three incision esophagectomy (McKeown) (43288)  Minimally invasive esophagectomy, lvor Lewis approach (43287)**  Minimally invasive esophagectomy, Abdominal and neck approach (43286)**  Procedures (Optional) ight = 30  Repair, paraesophageal histal hernia via thoracotomy with mesh (43333)  Repair, paraesophageal histal hernia via thoracotomy with mesh (43334)  Repair, paraesophageal histal hernia via thoracotomy with mesh (43335)  Repair, paraesophageal histal hernia via thoracoabdominal approach without mesh (43336)

# Minor/Non-Analyzed Procedures

- Minor /Non-Analyzed Procedures
  - Accepted into the database
    - ONLY if you choose to collect and submit
  - Required fields "On Save" checks will be applied to these records
  - Not risk adjusted/no benchmark data provided
- Concomitant Procedures
  - If a procedure considered 'minor' or 'optional' is done at the same time as an 'analyzed' procedure, then it should be included on the <u>same data</u> collection form.

	ures (Concomitant Procedures) ght = 10	
Trachea, Bronchi, Larynx		
□ Laryngectomy, partial (31370)	☐ Tracheostomy replacement (tube change) prior to est. of fistula tract (31502)	
☐ Tracheal wound or injury suture repair; cervical (31800)	☐ Tracheostomy, planned (31600)	
☐ Tracheal wound or injury suture repair; intrathoracic (31805)	☐ Tracheostomy revision simple, without flap (31613)	
☐ Unlisted procedure, trachea, bronchi (31899)	☐ Tracheostomy revision complex, with flap (31614)	
☐ Bronchopleural fistula closure (32906)	☐ Tracheoplasty; cervical (31750)	
☐ Bronchogenic cyst removal	☐ Tracheoplasty; intrathoracic (31760)	
☐ Bronchial laceration suture	☐ Bronchial sleeve resection	
□ Bronchoplasty, graft repair (31770)	☐ Tracheostomy mediastinal	
☐ Bronchoplasty; excision stenosis and anastomosis (31775)	☐ Rigid stent removal	
Brond	choscopy	
☐ Tracheobronchoscopy through established tracheostomy incision (31615)	☐ Bronchoscopy, with transbronchial lung biopsy(s), each additional lobe (31632)	
Endobronchial ultrasound (EBUS) during bronchoscopy diagnostic or therapeutic intervention(s) (31620)	☐ Bronchoscopy, with transbronchial needle aspiration biopsy(s), each additional lobe (31633)	
☐ Bronchoscopy, diagnostic, with or without cell washing (31622)	☐ Bronchoscopy, with removal of foreign body (31635)	
☐ Bronchoscopy, with brushing or protected brushings (31623)	☐ Bronchoscopy, with placement of bronchial stent(s) (includes tracheal/bronchial dilation as required), initial bronchus (31636)	
☐ Bronchoscopy, with bronchial alveolar lavage (BAL) (31624)	☐ Bronchoscopy, each additional major bronchus stented (31637)	
☐ Bronchoscopy, with bronchial or endobronchial biopsy(s), single or multiple sites (31625)	☐ Bronchoscopy, with revision of tracheal or bronchial stent inserted at previous session (31638)	
☐ Bronchoscopy, with placement of Fiducial markers (31626)	☐ Bronchoscopy, with excision of tumor (31640)	
☐ Bronchoscopy, navigational (31627)	☐ Bronchoscopy, with destruction of tumor or relief of stenosis by any method other than excision (e.g., laser therapy) (31641)	
☐ Bronchoscopy, with transbronchial lung biopsy(s), single lobe (31628)	☐ Bronchoscopy, with placement of catheter(s) for intracavitary radioelement application (31643)	
☐ Bronchoscopy, with transbronchial needle aspiration biopsy(s) (31629)	☐ Bronchoscopy, with therapeutic aspiration of tracheobronchial tree, initial (drainage of lung abscess) (31645)	
☐ Bronchoscopy, with tracheal/bronchial dilation or closed reduction of fracture (31630)	☐ Bronchoscopy, with therapeutic aspiration of tracheobronchial tree, subsequent (31646)	
□ Bronchoscopy, with placement of tracheal stent(s) (includes tracheal/bronchial dilation as required) (31631)		
Pleural Space and Lung		
☐ Thoracostomy; with rib resection for empyema (32035)	☐ Insertion indwelling tunneled pleural catheter (32550)	
☐ Thoracostomy; with open flap drainage for empyema (32036)	☐ Thoracoscopy, diagnostic lungs and pleural space, without biopsy (32601)	
☐ Thoracotomy with biopsy(s) lung infiltrate(s) (e.g. wedge), unilateral (32096)	☐ Thoracoscopy, diagnostic; with biopsy(s) of lung infiltrate(s) (e.g. wedge), unilateral (32607)	
☐ Thoracotomy with biopsy(s) lung nodule(s) or masses (e.g. incisional), unilateral (32097)	☐ Thoracoscopy, diagnostic; with biopsy(s) of lung nodule(s) or mass(es) (eg incisional), unilateral (32608)	
☐ Thoracotomy with biopsy(s) of pleura (32098)	☐ Thoracoscopy, diagnostic; with biopsy(s) of pleura (32609)	
☐ Thoracotomy, with exploration (32100)	☐ Thoracoscopy, surgical; with pleurodesis (e.g., mechanical or chemical) (32650)	
☐ Thoracotomy, major; with control of traumatic hemorrhage and/or repair of lung tear (32110)	☐ Thoracoscopy, surgical; with partial pulmonary decortication (32651	
☐ Thoracotomy, major; for postoperative complications (32120)	☐ Thoracoscopy, surgical; with total pulmonary decortication (32652)	

# The 'OLD' Methodology - How is the % Missingness Threshold Calculated?

#### Missing Data

Missing data thresholds are calculated based upon the total population eligible for reporting (all records submitted by a Participant) and are **NOT computed based upon separate composite populations**.

If one or more of the Operative Mortality fields (*MtDCStat, Mt30Stat*) is missing or coded as "unknown", a record is considered as incomplete and will be excluded from the mortality analysis. Participants who do not meet the Operative Mortality related data completeness thresholds are not eligible to receive a composite score/risk adjusted analysis/star rating.

Mortality status at discharge is obtained from the variable *MtDCStat*. Operative Mortality is defined as in hospital death or death within 30 days of surgery and is obtained from the variables *MtDCStat* and *Mt30Stat*.

Participants must meet the percent missing threshold for each calendar year whether full or partial based on the harvest reporting period start and end dates.

 Surgery year 2017 (and greater) - Operation records where percent missing exceeds 2% for MtDCStat and Mt30Stat

Fall reporting period missingness thresholds are calculated on the last and first 6 months of the calendar years. For example, the Fall 2020 reporting period includes OR dates of 7/1/2017 – 6/30/2020. If a Participant's missingness exceeds 2% for the last 6 months of 2017, they will not receive a composite rating/risk adjusted results. If a Participants missingness exceeds 2% for the first 6 months of 2020, they will not receive a composite rating/risk adjusted results.

# The 'New' Methodology - How is the % Missingness Threshold Calculated?

#### To be implemented with the Fall 2021 Analysis

- Mortality thresholds of 2% to be applied specifically to the composite population only.

  O The mortality threshold calculation will consider both the lung AND esophageal cancer resections
  - combined.
- The mortality threshold calculation will **NOT** be applied to the 'Optional Major Procedures' or 'Minor Procedures'
  - Optional Major Procedures include: Hiatal Hernia/GERD Procedures, Tracheal Resections and Thymus/Mediastinal Mass Resections
- Missingness will be calculated on a rolling three-year time period.
   For example, the Fall 2021 Harvest (Reporting period of 7/1/2018 6/30-2021) % missingness thresholds would be applied as follows:
  - $\rightarrow$  Year 1 7/1/2018 6/30/2019 (must have 2% or less missingness for this time period) AND
  - $\triangleright$  Year 2 7/1/2019 6/30/2020 (must have 2% or less missingness for this time period) AND
  - $\triangleright$  Year 3 7/1/2020 6/30/2021 (must have 2% or less missingness for this time period)



# The 'New' Methodology - How is the % Missingness Threshold Calculated?

#### To be implemented with the Fall 2021 Analysis

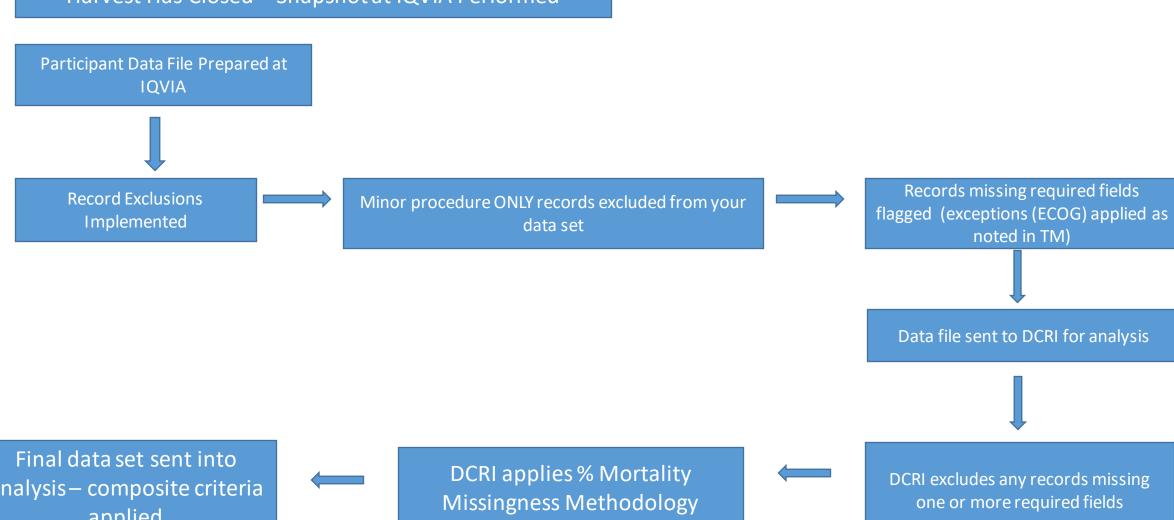
If one or more of the Operative Mortality fields (MtDCStat, Mt30Stat) is missing or coded as "unknown", a record is considered as incomplete and will be excluded from the mortality analysis.

Participants who do not meet the Operative Mortality related data completeness thresholds are not eligible to receive a composite score/risk adjusted analysis/star rating. Mortality status at discharge is obtained from the variable MtDCStat. Operative Mortality is defined as in hospital death or death within 30 days of surgery and is obtained from the variables MtDCStat and Mt30Stat.

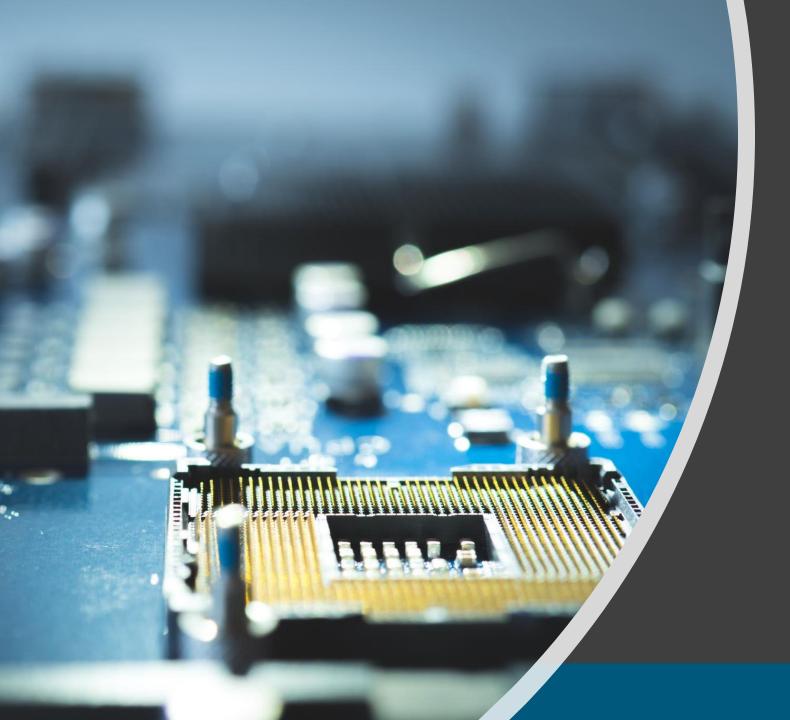


#### Preparing Your Data for Analysis - From IQVIA to DCRI

Harvest Has Closed – Snapshot at IQVIA Performed



analysis – composite criteria applied



# IQVIA Review Joe Brower

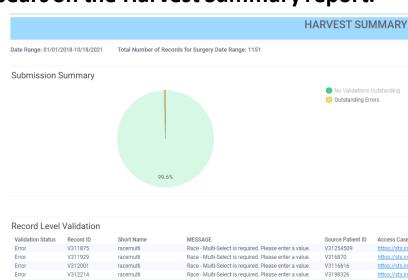
# October 2021 Release Update

#### **IQVIA Release Update – October 2021**

STATUS: Released to Production October 14th

#### **Uploader & Direct Data Entry (DDE) Validations**

- **STS-7400** Removed an invalid validation from the Race Multi-Select (racemulti) variable where it displayed when the expected responses were selected within the case form.
- Uploader Users Please contact the IQVIA support team for further assistance if you see the error appear on the Harvest Summary report in the instance where the values are entered on the case form.
- Direct Data Users Please resave the caseform to resolve the error message if it appears on the Harvest Summary report.





# IQVIA Enhancements & Known Issues Oct. 2021

#### **IQVIA Enhancements and Known Issues**

The items below are currently under review by the IQVIA development team and will be targeted for a future release.

#### **Release Timing: TBD**

#### **Direct Data Entry (DDE) Validations**

• STS-7157 – User request to reduce the severity level on identified require fields from critical errors to errors for direct data entry users

#### Participant Dashboard Report (non-analyzed)

• **STS-6995** – Participant Dashboard Report displays different percentages when exported to MS Excel (**RESOLVED** – Not an Issue)

#### Missing Variable Report – Report Logic to be updated

- **STS-7348** Missing Variable Report The MT30STAT variable will be updated to display the option of Unknown (harvest code = 3) as missing on the report.
- **STS-7050** Missing Variable Report The LFUDATE and LFUMORTSTAT is reported as missing when the record is associated with an earlier demographic data version (2.2, 2.081, 2.07, 2.06)
- STS-7100 Missing Variable Report The report is flagging the Racemulti field as missing within the 5.21.1 data version when associated with an earlier demographic data version
- STS-7278 Missing Variable Report Update the MVR report logic to include the missing check for the COVID19 variables (TempCode) and (TempDate)
- STS-7302 Missing Variable Report Variable analysis GERDPTALIVEYR Discrepancy between MVR and Participant Dashboard denominator count difference identified



## Known Issues Posted to Library

Please note: The full known issues and enhancements list is posted to the Library in the IQVIA platform for user review.

### IQVIA Update

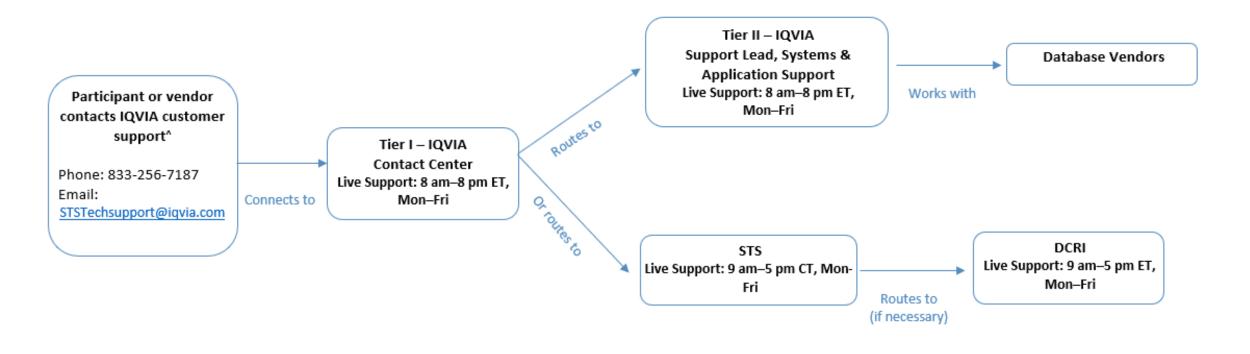
Please note: Submitted tickets are currently under review and the IQVIA support team will follow up on resolution and/or target release confirmation.

The IQVIA Team is currently reviewing items to be targeted for an upcoming release. Those items will be posted to the Notifications section.

# STS/IQVIA Support Plan



# IQVIA's Support Plan



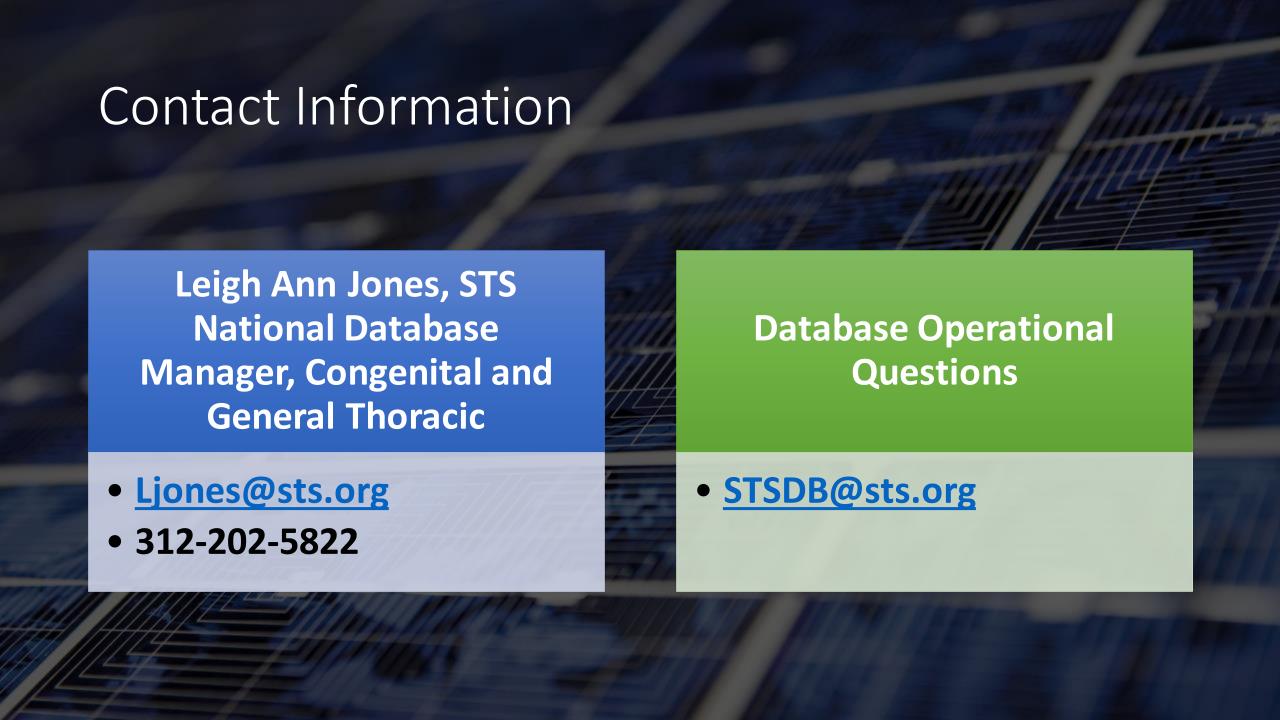


^ Inquiries received outside live support hours will require a 24-hour turnaround window (i.e., one business day) for responses.



- Phone Support: 1-833-256-7187
- STS National Database Feedback Form
- Resource Documents
  - Contact Information
  - Webinar Information
  - FAQ Document
  - Go-Live Checklist
  - Tiered-level Support Document
  - Training Videos
  - Link to IQVIA





# Upcoming GTSD Webinars

#### Monthly Webinar

• November 10 @ 2:30 CT

#### User Group Call – Canceled

• November 24 @ 3:30CT

#### Monthly Webinar

• December 8 @ 2:30CT



# Open Discussion



Please use the Q&A Function.



We will answer as many questions as possible.



We encourage your feedback and want to hear from you!