**ShortName:** RecordID  
**FieldName:** Operations Table Record Identifier  
**Definition:** An arbitrary, unique number that permanently identifies each record in the participant's database (note that unlike the PatID value, this does not identify the individual patient). Once assigned to a record, this number can never be changed or reused. The value by itself can be used to identify the record in the participant's database. When used in conjunction with the ParticID value, it can identify the record in the data warehouse database. The data warehouse will use this value to communicate issues about individual records with the participant. This value may also be at the warehouse to link to other clinical data.

**Format:** Integer  
**DataSource:** Automatic  
**Default:** (unique value)  
**TableName:** Operations  
**ParentField:**  
**ParentValue:**  
**ValidData:** Assigned value, automatically inserted by software  
**HarvestCoding:**  
**ChangeFromV2_06:**

**ShortName:** RecordID  
**FieldName:** Procedures Table Record Identifier  
**Definition:** This field is the foreign key that links this record with the associated records in the "Operations" table.

**Format:** Integer  
**DataSource:** Automatic  
**Default:** (database assigned value)  
**TableName:** Procedures  
**ParentField:**  
**ParentValue:**  
**ValidData:**  
**HarvestCoding:**  
**ChangeFromV2_06:**

**ShortName:** VendorID  
**FieldName:** Software vendor's identification  
**Definition:** Software vendor's identification assigned by the STS.

**Format:** Text length 8  
**DataSource:** Automatic  
**Default:** (assigned value)  
**TableName:** Operations  
**ParentField:**  
**ParentValue:**  
**ValidData:** Assigned value, automatically inserted by software  
**HarvestCoding:**  
**ChangeFromV2_06:**

**ShortName:** SoftVrsn  
**FieldName:** Vendor's software version number  
**Definition:** Vendor's software product version number identifying the software which created this record. Vendor controls the value in this field. Version passing certification/harvest testing will be noted at warehouse.

**Format:** Text length 20  
**DataSource:** Automatic  
**Default:** (assigned value)  
**TableName:** Operations  
**ParentField:**  
**ParentValue:**  
**ValidData:** Assigned value, automatically inserted by software
**(fieldName: Version of STS Data Specification)**

**SeqNo:** 50  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text length 8  
**DataSource:** Automatic Default: (assigned value)  
**ParentField:** ParentValue:  
**ValidData:** Assigned value, automatically inserted by software  
**HarvestCoding:** 2.07  
**ChangeFromV2_06:** 1. Changed HarvestCoding from blank to 2.07.

**FieldName:** Record complete  
**SeqNo:** 60  
**Core:** Yes  
**Harvest:** No  
**Format:** Text (categorical values specified by STS)  
**DataSource:** Calculated Default: (Null/blank = missing)  
**ParentField:** ParentValue:  
**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No  
**ChangeFromV2_06:**

**FieldName:** Participant ID  
**SeqNo:** 70  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text length 5  
**DataSource:** Automatic or User Default: (Null/blank = missing)  
**ParentField:** ParentValue:  
**ValidData:** Value assigned by the STS  
**HarvestCoding:**  
**ChangeFromV2_06:**

**FieldName:** Operations Table Patient Identifier  
**SeqNo:** 80  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Integer  
**DataSource:** Automatic Default: (database assigned value)  
**TableName:** Operations
<table>
<thead>
<tr>
<th>SeqNo</th>
<th>ShortName</th>
<th>FieldName</th>
<th>Core</th>
<th>Harvest</th>
<th>Format</th>
<th>DataSource</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>90</td>
<td>PatID</td>
<td>Demographics Table Patient Identifier</td>
<td>Yes</td>
<td>Yes</td>
<td>Integer</td>
<td>Automatic</td>
<td>An arbitrary number that uniquely identifies this patient in the database. This field is the primary key that links this record with the associated records in the &quot;Operations&quot; table. The value in this field can not be a value that would identify the patient outside of the database (such as Medical Record Number or Social Security Number). Once a value is assigned to a patient, it can never be changed or reused.</td>
</tr>
<tr>
<td>95</td>
<td>DemogDataVrsn</td>
<td>Demographics Table Data Version</td>
<td>Yes</td>
<td>Yes</td>
<td>Text length 8</td>
<td>Automatic</td>
<td>Version number of the STS Data Specifications/Dictionary, to which the Demographics record conforms. The value will identify which fields should have data, and what are the valid data for those fields. It must be the version implemented in the software at the time the record was created. The value must be entered into the record automatically by the software. Note that the data version of the demographics record does not necessarily need to match the data version of all of the associated operation records for that patient. This is because new data versions might be implemented in the software and used for the creation of operation records after a demographics record has been created for a patient.</td>
</tr>
<tr>
<td>100</td>
<td>MedRecN</td>
<td>Medical Record #</td>
<td>Yes</td>
<td>No</td>
<td>Text length 11</td>
<td>User</td>
<td>Indicate the hospital medical number assigned to the patient.</td>
</tr>
<tr>
<td>110</td>
<td>PatFName</td>
<td>Patient's first name</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SeqNo</td>
<td>FieldName</td>
<td>ShortName</td>
<td>Definition</td>
<td>Core</td>
<td>Harvest</td>
<td>Format</td>
<td>DataSource</td>
</tr>
<tr>
<td>-------</td>
<td>------------------</td>
<td>------------</td>
<td>------------------------------------------------------------------------------------------------</td>
<td>------</td>
<td>---------</td>
<td>----------------</td>
<td>------------</td>
</tr>
<tr>
<td>120</td>
<td>Patient's middle initial</td>
<td>PatMInit</td>
<td>Indicate the middle initial of the patient.</td>
<td>Yes</td>
<td>No</td>
<td>Text length 1</td>
<td>User</td>
</tr>
<tr>
<td>130</td>
<td>Patient's last name</td>
<td>PatLName</td>
<td>Indicate the last name of the patient.</td>
<td>Yes</td>
<td>No</td>
<td>Text length 25</td>
<td>User</td>
</tr>
<tr>
<td>140</td>
<td>Social Security Number</td>
<td>SSN</td>
<td>Indicate the nine-digit Patient’s Social Security Number (SSN). Although this is the Social Security Number in the USA, other countries may have a different National Patient Identifier Number. For example in Canada, this would be the Social Insurance Number.</td>
<td>Yes</td>
<td>No</td>
<td>Text length 11</td>
<td>User</td>
</tr>
<tr>
<td>150</td>
<td>Date of birth</td>
<td>DOB</td>
<td>Patient Date of Birth using 4-digit format for year. Harvest is Optional due to a variety of confidentiality issues at facilities. Participant will choose whether Harvest=Yes or Harvest=No.</td>
<td>Yes</td>
<td>Optional</td>
<td>Date in mm/dd/yyyy format</td>
<td>User</td>
</tr>
</tbody>
</table>
**FieldName:** Patient's zip code  
**ShortName:** PostalCode  
**Core:** Yes  
**Harvest:** Optional  
**Format:** Text length 10

**Definition:** The ZIP Code of the patient's residence. Outside the USA, this data may be known by other names such as Postal Code (6 characters). Software should allow sites to collect up to 10 characters to allow for Zip+4 values. Harvest is Optional due to a variety of confidentiality issues at facilities. Participant will choose whether Harvest=Yes or Harvest=No.

**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Demographics

---

**FieldName:** Gender  
**ShortName:** Gender  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)

**Definition:** Indicate the patient's gender at birth as either male or female.

**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Demographics

---

**FieldName:** Patient's race  
**ShortName:** Race  
**Core:** No  
**Harvest:** No  
**Format:** Text (categorical values specified by STS)

**Definition:** Indicate the patient's race as determined by the patient or family.

**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Demographics

---

**FieldName:** Patient's race includes Caucasian  
**ShortName:** RaceCaucasian  
**Core:** Yes

---

**FieldName:** **Data Source:** User  
**Default:** (Null/blank = missing)  
**TableName:** Demographics

---

**FieldName:** **DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Demographics

---

**FieldName:** **DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Demographics

---

**FieldName:** **DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Demographics

---

**FieldName:** **DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Demographics

---
<table>
<thead>
<tr>
<th>SeqNo</th>
<th>FieldName</th>
<th>ShortName</th>
<th>Definition</th>
<th>Core</th>
<th>Harvest</th>
<th>Format</th>
<th>DataSource</th>
<th>Default</th>
<th>TableName</th>
<th>ParentField</th>
<th>ParentValue</th>
<th>ValidData</th>
<th>HarvestCoding</th>
<th>ChangeFromV2_06</th>
</tr>
</thead>
<tbody>
<tr>
<td>182</td>
<td>Patient's race includes Black</td>
<td>RaceBlack</td>
<td>Indicate whether the patient's race, as determined by the patient or family, includes Black.</td>
<td>Yes</td>
<td>Yes</td>
<td>Text (categorical values specified by STS)</td>
<td>User</td>
<td>(Null/blank = missing)</td>
<td>Demographics</td>
<td>ParentValue:</td>
<td>1 = Yes</td>
<td>2 = No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>183</td>
<td>Patient's race includes Hispanic</td>
<td>RaceHispanic</td>
<td>Indicate whether the patient's race, as determined by the patient or family, includes Hispanic.</td>
<td>Yes</td>
<td>Yes</td>
<td>Text (categorical values specified by STS)</td>
<td>User</td>
<td>(Null/blank = missing)</td>
<td>Demographics</td>
<td>ParentValue:</td>
<td>1 = Yes</td>
<td>2 = No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>184</td>
<td>Patient's race includes Asian</td>
<td>RaceAsian</td>
<td>Indicate whether the patient's race, as determined by the patient or family, includes Asian.</td>
<td>Yes</td>
<td>Yes</td>
<td>Text (categorical values specified by STS)</td>
<td>User</td>
<td>(Null/blank = missing)</td>
<td>Demographics</td>
<td>ParentValue:</td>
<td>1 = Yes</td>
<td>2 = No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>185</td>
<td>Patient's race includes Native American</td>
<td>RaceNativeAm</td>
<td>Indicate whether the patient's race, as determined by the patient or family, includes Native American</td>
<td>Yes</td>
<td>Yes</td>
<td>Text (categorical values specified by STS)</td>
<td>User</td>
<td>(Null/blank = missing)</td>
<td>Demographics</td>
<td>ParentValue:</td>
<td>1 = Yes</td>
<td>2 = No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**FieldName:** Patient's race includes any other race  
**ShortName:** RaceOther  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Demographics

**Definition:** Indicate whether the patient's race, as determined by the patient or family, includes any other race.

**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No

**ChangeFromV2_06:** 1. Add new field.

---

**FieldName:** Age at time of surgery  
**ShortName:** Age  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Integer  
**DataSource:** Automatic or User  
**Default:** (Null/blank = missing)  
**TableName:** Operations

**Definition:** Indicate the patient's age in years, at time of surgery. This should be calculated from the date of birth and the date of surgery, according to the convention used in the USA (the number of birth date anniversaries reached by the date of surgery). If patient is less than one year old, enter the value 1.

**ValidData:** 1 - 110

**HarvestCoding:** 1. Changed Definition. Added sentence "If patient is less than one year old, enter the value 1".

---

**FieldName:** Patient's Zubrod score  
**ShortName:** Zubrod  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** Automatic or User  
**Default:** (Null/blank = missing)  
**TableName:** Operations

**Definition:** The Zubrod performance scale should be marked to indicate the level of the patient's performance measured within two weeks of the surgery date. The Zubrod performance scale is a measure of the patient's function. Select the one description that best fits the patient.

**ValidData:** Normal activity, no symptoms; Symptoms but fully ambulatory; Symptoms but in bed less than 50% of the time; Symptoms but in bed >50% but less than 100%; Bedridden; Moribund

**HarvestCoding:** 0 = Normal activity, no symptoms  
1 = Symptoms but fully ambulatory  
2 = Symptoms but in bed less than 50% of the time  
3 = Symptoms but in bed >50% but less than 100%  
4 = Bedridden  
5 = Moribund

---

**Report printed: Wednesday, January 12, 2005**
**SeqNo:** 210

**FieldName:** Surgeon's name  
**ShortName:** Surgeon  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by user)  
**DataSource:** User Default: (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** ParentValue:  
**ValidData:** (elements of user list) Not free text. User maintains list of valid values. New values are made available through a utility that is separate from entering data record.  
**HarvestCoding:**  
ChangeFromV2_06: 1. Changed Harvest from "No" to "Yes".

**SeqNo:** 220

**FieldName:** Surgeon's UPIN number  
**ShortName:** UPIN  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text length 9 (categorical values specified by User)  
**DataSource:** Automatic or User Default: (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** ParentValue:  
**ValidData:**  
**HarvestCoding:**  
ChangeFromV2_06:  

**SeqNo:** 230

**FieldName:** Hospital Name  
**ShortName:** HospName  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by user) length must be sufficient to hold full hospital name  
**DataSource:** User Default: (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** ParentValue:  
**ValidData:** (elements of user list) Not free text. User maintains list of valid values. New values are made available through a utility that is separate from entering data record.  
**HarvestCoding:**  
ChangeFromV2_06: 1. Changed Harvest from "No" to "Yes".

**SeqNo:** 240

**FieldName:** Hospital code = AHA number  
**ShortName:** HospCode  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text length 30 (categorical values specified by user)  
**DataSource:** Automatic or User Default: (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** ParentValue:  
**ValidData:** (elements of user list) Not free text. User maintains list of valid values. New values are made available through a utility that is separate from entering data record.  
**HarvestCoding:**  
ChangeFromV2_06: 1. Changed Harvest from "No" to "Yes".
<table>
<thead>
<tr>
<th>SeqNo</th>
<th>FieldName</th>
<th>ShortName</th>
<th>Core</th>
<th>Harvest</th>
<th>Format</th>
<th>DataSource</th>
<th>ParentField</th>
<th>ParentValue</th>
<th>TableName</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hospital postal code</td>
<td>HospZIP</td>
<td>Yes</td>
<td>Yes</td>
<td>Text length 10</td>
<td>Automatic or User</td>
<td>(Null/blank = missing)</td>
<td>Operations</td>
<td></td>
<td>Indicate the ZIP Code of the hospital. Outside the USA, this data may be known by other names such as &quot;Postal Code&quot;.</td>
</tr>
<tr>
<td></td>
<td>Admission date</td>
<td>AdmitDt</td>
<td>Yes</td>
<td>Yes</td>
<td>Date in mm/dd/yyyy format</td>
<td>User</td>
<td>(Null/blank = missing)</td>
<td>Operations</td>
<td></td>
<td>Indicate the date of admission. For those patients who originally enter the hospital in an out-patient capacity (i.e. catheterization), the admit date is the date the patient's status changes to in-patient.</td>
</tr>
<tr>
<td></td>
<td>Date of surgery</td>
<td>SurgDt</td>
<td>Yes</td>
<td>Yes</td>
<td>Date in mm/dd/yyyy format</td>
<td>User</td>
<td>(Null/blank = missing)</td>
<td>Operations</td>
<td></td>
<td>Indicate the date of surgery, which equals the date the patient enters the operating room.</td>
</tr>
<tr>
<td></td>
<td>Height in centimeters</td>
<td>HeightCm</td>
<td>Yes</td>
<td>Yes</td>
<td>Real number 3.1 digits e.g. 999.9</td>
<td>User</td>
<td>(Null/blank = missing)</td>
<td>Operations</td>
<td></td>
<td>Indicate the height of the patient in centimeters.</td>
</tr>
</tbody>
</table>

ChangeFromV2_06: 1. Changed DataSource from "User" to "User or Automatic".
ShortName: HeightIn
FieldName: Height in inches
Definition: Indicate the height of the patient in inches.
Format: Real number 3.1 digits e.g. 999.9
DataSource: User
Default: (Null/blank = missing)
TableName: Operations
ValidData: 3.9 - 98.4
HarvestCoding:
ChangeFromV2_06: 1. Changed ValidData from blank to "3.9 - 98.4".

ShortName: WeightKg
FieldName: Weight in kilograms
Definition: Indicate the weight of the patient in kilograms.
Format: Real number 3.1 digits e.g. 999.9
DataSource: User
Default: (Null/blank = missing)
TableName: Operations
ValidData: 1 - 250
HarvestCoding:

ShortName: WeightLbs
FieldName: Weight in pounds
Definition: Indicate the weight of the patient in pounds.
Format: Real number 3.1 digits e.g. 999.9
DataSource: User
Default: (Null/blank = missing)
TableName: Operations
ValidData: 2.2 - 551.2
HarvestCoding:
ChangeFromV2_06: 1. Changed ValidData from blank to "2.2 - 551.2".

ShortName: WtLoss3Kg
FieldName: Weight loss in the three months
Definition: Indicate by the number of kilograms lost, whether the patient has experienced any weight loss in the last three months. Enter "0" if answer is "none".
Format: Real number 3.1 digits e.g. 999.9
DataSource: User
Default: (Null/blank = missing)
TableName: Operations
ValidData: 0 - 250
HarvestCoding:

ShortName: Category
SeqNo: 310
FieldName: Category of disease  
Definition: Indicate to which disease category the patient’s primary disease process belongs. 
Harvest: Yes 
Indicate the disease category if known preoperatively, if unknown preoperatively, may enter postoperatively. 
Format: Text (categorical values specified by STS) 
DataSource: User 
Default: (Null/blank = missing) 
TableName: Operations 
ParentField: 
ValidData: Trachea - Malignant; Trachea - Benign; Lung - Primary; Lung - Benign; Lung - Infection; Mediastinum; Metastases - Lung; Metastases - Other; Pleura -- Neoplastic; Pleura -- Infection; Pleura -- Other; Esophagus - Primary; Esophagus - Benign; Primary Chest Wall; Trauma; Other 
HarvestCoding: 05 = Trachea - Malignant 
08 = Trachea - Benign 
10 = Lung - Primary 
20 = Lung - Benign 
30 = Lung - Infection 
40 = Mediastinum 
50 = Metastases - Lung 
60 = Metastases - Other 
70 = Pleura -- Neoplastic 
80 = Pleura -- Infection 
90 = Pleura -- Other 
100 = Esophagus - Primary 
110 = Esophagus - Benign 
120 = Primary Chest Wall 
130 = Trauma 
777 = Other 
ChangeFromV2_06: 

ShortName: Infection  
FieldName: Lung Infection Type  
Definition: Indicate the type of lung or pleural infection. 
Format: Text (categorical values specified by STS) 
DataSource: User 
Default: (Null/blank = missing) 
TableName: Operations 
ParentField: Category 
ValidData: Gram-(+) bacteria; Gram-(--) bacteria; Fungal; Mycobacterium Tuberculosis; Multi-drug resistant tuberculosis; Mycobacterium other than tuberculosis; Culture (-) 
HarvestCoding: 1 = Gram-(+) bacteria 
2 = Gram-(--) bacteria 
3 = Fungal 
4 = Mycobacterium Tuberculosis 
5 = Multi-drug resistant tuberculosis 
6 = Mycobacterium other than tuberculosis 
7 = Culture (-) 
ChangeFromV2_06: 

ShortName: TraumaOR  
FieldName: Trauma Requiring OR Intervention  
Definition: Indicate whether a recent trauma resulted in a primary diagnosis that required operating room intervention during this hospitalization. 
Format: Text (categorical values specified by STS) 
DataSource: User 
Default: (Null/blank = missing) 
TableName: Operations 
ParentField: Category 
ValidData: Yes; No
**ShortName:** TraumaTy  
**FieldName:** Trauma Type  
**Core:** Yes  
**Definition:** Indicate the type of trauma that resulted in a primary diagnosis that required operating room intervention during this hospitalization.  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User Default: (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** TraumaOR  
**ParentValue:** = "Yes"  
**ValidData:** Penetrative (i.e. gun shot wound, stabbing); Non-penetrative (i.e. motor vehicle accident)  
**HarvestCoding:** 1 = Penetrative (i.e. gun shot wound, stabbing)  
2 = Non-penetrative (i.e. motor vehicle accident)  
**ChangeFromV2_06:**  1. Changed Definition - Changed "OR" to "operating room".

**ShortName:** NoComorb  
**FieldName:** No comorbidities  
**Core:** No  
**Harvest:** No  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User Default: (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** ParentValue:  
**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No  
**ChangeFromV2_06:**  1. Changed Core from "Yes" to "No".  
2. Changed Harvest from "Yes" to "No".

**ShortName:** Comorb  
**FieldName:** Comorbidities  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User Default: (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** ParentValue:  
**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No  
**ChangeFromV2_06:**  1. Add new field.

**ShortName:** Hypertn  
**FieldName:** Hypertension  
**Core:** Yes  
**Definition:** Indicate whether the patient has a diagnosis of hypertension, documented by one of the following:  
1. Documented history of hypertension diagnosed and treated with medication, diet and/or exercise  
2. Blood pressure >140 systolic or >90 diastolic on at least 2 occasions.  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User Default: (Null/blank = missing)  
**TableName:** Operations
**FieldName:** Steroids  
**ShortName:** Steroid  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User  
**Definition:** Indicate whether the patient was taking steroids within 24 hours of surgery and does not include a one time dose related to prophylaxis therapy (i.e. IV dye exposure for cath procedure or surgery pre-induction period). Non-systemic medications are not included in this category (i.e. nasal sprays, topical creams).

**FieldName:** Congestive heart failure  
**ShortName:** CHF  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User  
**Definition:** Indicate whether, within 2 weeks prior to the primary surgical procedure, a physician has diagnosed that the patient is currently in congestive heart failure (CHF). CHF can be diagnosed based on a careful history and physical exam, or by one of the following criteria:
1. Paroxysmal nocturnal dyspnea (PND)
2. Dyspnea on exertion (DOE) due to heart failure
3. Chest X-Ray (CXR) showing pulmonary congestion
4. Pedal edema or dyspnea and receiving diuretics or digoxin

**FieldName:** Coronary artery disease  
**ShortName:** CAD  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User  
**Definition:** Indicate whether the patient has a history of coronary artery disease (CAD) as evidenced by one of the following:
1. Currently receiving medical treatment for CAD
2. History of Myocardial Infarction
3. Prior CV intervention including, but not limited to, CABG and/or PCI
**Peripheral vascular disease (PVD)**

**FieldName:** Peripheral vascular disease  
**ShortName:** PVD  
**Core:** Yes  
**Harvest:** Yes

**Definition:** Indicate whether the patient has Peripheral Vascular Disease, as indicated by claudication either with exertion or rest; amputation for arterial insufficiency; aorto-iliac occlusive disease reconstruction; peripheral vascular bypass surgery, angioplasty, or stent; documented AAA, AAA repair, or stent; positive non-invasive testing documented. Does not include procedures such as vein stripping, carotid disease, or procedures originating above the diaphragm.

**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No

**Preoperative chemotherapy (PreopChemo)**

**FieldName:** Preoperative chemotherapy  
**ShortName:** PreopChemo  
**Core:** Yes  
**Harvest:** Yes

**Definition:** Indicate if the patient has received preoperative chemotherapy for any reason prior to this operation. May be included as a component of a chemotherapy radiation induction therapy. This item should also be selected if the medical oncologist gave the patient chemotherapy prior to sending the patient for any surgical evaluation, if the intent of the medical oncologist was to “shrink the tumor” prior to surgical intervention.

**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No

**Preoperative chemotherapy - When (PreopChemoWhen)**

**FieldName:** Preoperative chemotherapy - When  
**ShortName:** PreopChemoWhen  
**Core:** Yes

**Definition:** Indicate whether the prior chemotherapy treatment was:

1 = received any time prior to this hospitalization to treat this occurrence or any previous occurrence of the same primary disease process that is being treated during this hospitalization
2 = received within 6 months of this hospitalization to treat an unrelated disease
3 = received more than 6 months prior to this hospitalization to treat an unrelated disease.

**ValidData:** Any time prior to hospitalization to treat the same primary disease; Within 6 months to treat an unrelated disease; More than 6 months prior to hospitalization to treat an unrelated disease

**HarvestCoding:** 1 = Any time prior to hospitalization to treat the same primary disease  
2 = Within 6 months to treat an unrelated disease  
3 = More than 6 months prior to hospitalization to treat an unrelated disease
**FieldName:** Preoperative Thoracic Radiation Therapy  
**DataSource:** User Default: (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** Comorb  
**ParentValue:** = "Yes"  
**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No

**ChangeFromV2_06:**  
1. Changed ParentField from blank to "Comorb".  
2. Changed ParentValue from blank to = "Yes".

---

**FieldName:** Preoperative Thoracic Radiation Therapy - When  
**DataSource:** User Default: (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** PreopXRT  
**ParentValue:** = "Yes"  
**ValidData:** Any time prior to hospitalization to treat the same primary disease; Within 6 months to treat an unrelated disease; More than 6 months prior to hospitalization to treat an unrelated disease  
**HarvestCoding:** 1 = Any time prior to hospitalization to treat the same primary disease  
2 = Within 6 months to treat an unrelated disease  
3 = More than 6 months prior to hospitalization to treat an unrelated disease

---

**FieldName:** Prior Cardiothoracic Surgery  
**DataSource:** User Default: (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** Comorb  
**ParentValue:** = "Yes"  
**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No

**ChangeFromV2_06:**  
1. Changed ParentField from blank to "Comorb".  
2. Changed ParentValue from blank to = "Yes".
STS General Thoracic Surgery Database Data Specifications for Vendors Version: 2.07

**ShortName:** WhenPrior  
**FieldName:** When Prior CT Surgery was Performed  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** PriorCTS  
**ParentValue:** = "Yes"  
**Definition:** Indicate when the prior cardiac and/or general thoracic surgery was done. If patient has history of more than one prior cardiac and/or general thoracic surgery, indicate the time frame for the most recent procedure.  
**ValidData:** Prior admission; Current admission  
**HarvestCoding:** 1 = Prior admission  
2 = Current admission  
**ChangeFromV2_06:** 1. Changed ParentField from blank to "PriorCTS".  
2. Changed ParentValue from blank to "Yes".

---

**ShortName:** OtherComorb  
**FieldName:** Other comorbidity  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** Comorb  
**ParentValue:** = "Yes"  
**Definition:** Indicate whether the patient had one or more other co-morbidities not listed above.  
**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No  
**ChangeFromV2_06:** 1. Changed ParentField from blank to "Comorb".  
2. Changed ParentValue from blank to "Yes".

---

**ShortName:** TobNone  
**FieldName:** Tobacco use - None  
**Core:** No  
**Harvest:** No  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Operations  
**ParentField:**  
**ParentValue:**  
**Definition:** Indicate if the patient has had no tobacco use.  
**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No  
**ChangeFromV2_06:** 1. Changed Core from "Yes" to "No".  
2. Changed Harvest from "Yes" to "No".

---

**ShortName:** Tobacco  
**FieldName:** Tobacco Use  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Operations  
**ParentField:**  
**ParentValue:**  
**Definition:** Indicate whether the patient has used any form of tobacco at any time in the past.  
**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No  
**ChangeFromV2_06:** 1. Add new field.
<table>
<thead>
<tr>
<th>SeqNo</th>
<th>FieldName</th>
<th>ShortName</th>
<th>Core</th>
<th>Harvest</th>
<th>Format</th>
<th>DataSource</th>
<th>ParentField</th>
<th>ParentValue</th>
<th>ValidData</th>
<th>HarvestCoding</th>
</tr>
</thead>
<tbody>
<tr>
<td>450</td>
<td>Smokeless tobacco</td>
<td>TobChew</td>
<td>Yes</td>
<td>Yes</td>
<td>Text (categorical values specified by STS)</td>
<td>User</td>
<td>Tobacco</td>
<td>&quot;Yes&quot;</td>
<td>Yes</td>
<td>1 = Yes, 2 = No</td>
</tr>
<tr>
<td></td>
<td>use</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>460</td>
<td>Cigarette use</td>
<td>TobCig</td>
<td>Yes</td>
<td>Yes</td>
<td>Text (categorical values specified by STS)</td>
<td>User</td>
<td>Tobacco</td>
<td>&quot;Yes&quot;</td>
<td>Yes</td>
<td>1 = Yes, 2 = No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>470</td>
<td>Pack-years of</td>
<td>PackYear</td>
<td>Yes</td>
<td>Yes</td>
<td>Integer</td>
<td>User</td>
<td>TobCig</td>
<td>&quot;Yes&quot;</td>
<td>1 - 210</td>
<td></td>
</tr>
<tr>
<td></td>
<td>cigarette use</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>480</td>
<td>Pipe or cigar use</td>
<td>TobPipe</td>
<td>Yes</td>
<td>Yes</td>
<td>Text (categorical values specified by STS)</td>
<td>User</td>
<td>Tobacco</td>
<td>&quot;Yes&quot;</td>
<td>Yes</td>
<td>1 = Yes, 2 = No</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>
2. Changed ParentValue from '<> "Yes" ' to '=' "Yes" '.

**FieldName**: Other tobacco use

**Definition**: Indicate whether the patient has a history of any other tobacco or tobacco related product use.

**Format**: Text (categorical values specified by STS)

**DataSource**: User  
**Default**: (Null/blank = missing)  
**TableName**: Operations

**ParentField**: Tobacco  
**ParentValue**: = "Yes"

**ValidData**: Yes; No

**HarvestCoding**: 1 = Yes  
2 = No

**ChangeFromV2_06**: 1. Changed ParentField from "TobNone" to "Comorb".
2. Changed ParentValue from '<> "Yes" ' to '=' "Yes" '.

**FieldName**: When Patient Quit Smoking

**Definition**: Indicate how many days prior to the operation the patient quit smoking. Choose "0-14 days pre-op" of the patient is a current smoker.

**Format**: Text (categorical values specified by STS)

**DataSource**: User  
**Default**: (Null/blank = missing)  
**TableName**: Operations

**ParentField**: ParentValue:

**ValidData**: Never smoked (<100 cigarettes/lifetime); 0-14 days pre-op (current smoker); >14 days and <=1 month pre-op; >1 month and <=12 months pre-op; >12 months pre-op

**HarvestCoding**: 1 = Never smoked (<100 cigarettes/lifetime)  
2 = 0-14 days pre-op (current smoker)  
3 = >14 days and <=1 month pre-op  
4 = >1 month and <=12 months pre-op  
5 = >12 months pre-op

**ChangeFromV2_06**: 1. Changed ValidData - Added the text " (<100 cigarettes/lifetime)" to the option "Never smoked".
2. Changed HarvestCoding - Added the text " (<100 cigarettes/lifetime)" to the option "1 = Never smoked".

**FieldName**: Cerebrovascular history

**Definition**: Indicate whether the patient has a history of Cerebro-Vascular Disease, documented by any one of the following: Unresponsive coma > 24 hrs; CVA (symptoms > 72 hrs after onset); RIND (recovery within 72 hrs); TIA (recovery within 24 hrs); Non-invasive carotid test with > 75% occlusion.; or Prior carotid surgery. Does not include neurological disease processes such as metabolic and/or anoxic ischemic encephalopathy.

**Format**: Text (categorical values specified by STS)

**DataSource**: User  
**Default**: (Null/blank = missing)  
**TableName**: Operations

**ParentField**: ParentValue:

**ValidData**: No CVD history; Any reversible event; Any irreversible event

**HarvestCoding**: 1 = No CVD history  
2 = Any reversible event  
3 = Any irreversible event

**ChangeFromV2_06**: 1. Changed ValidData - Added the text " (<100 cigarettes/lifetime)" to the option "Never smoked".
2. Changed HarvestCoding - Added the text " (<100 cigarettes/lifetime)" to the option "1 = Never smoked".

**FieldName**: Diabetes

**Definition**: Indicate whether the patient has a history of Diabetes.
### Diabetes Control (DiabCtrl)

**Definition:**
Indicate the diabetic control method the patient presented with on admission. Patients placed on a pre-operative diabetic pathway of insulin drip but at admission were controlled with "None", diet or oral methods are not coded as insulin dependent. Choices are:
- None = No treatment for diabetes
- Diet = Diet treatment only
- Oral = Oral agent treatment only
- Insulin = Insulin treatment (includes any combination with insulin)

**Valid Data:** None; Diet; Oral; Insulin

<table>
<thead>
<tr>
<th>Harvest Coding</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>None</td>
</tr>
<tr>
<td>2</td>
<td>Diet</td>
</tr>
<tr>
<td>3</td>
<td>Oral</td>
</tr>
<tr>
<td>4</td>
<td>Insulin</td>
</tr>
</tbody>
</table>

### Renal Insufficiency History (RenalHx)

**Definition:**
Indicate whether the patient has:
1. a documented history of renal failure and/or
2. a history of creatinine > 2.0.

Prior renal transplant patients are not included as pre-op renal failure unless since transplantation their creatinine has been or currently is > 2.0.

**Valid Data:** No renal insufficiency; Creatinine >= 2; Dialysis of any type

<table>
<thead>
<tr>
<th>Harvest Coding</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>No renal insufficiency</td>
</tr>
<tr>
<td>2</td>
<td>Creatinine &gt;= 2</td>
</tr>
<tr>
<td>3</td>
<td>Dialysis of any type</td>
</tr>
</tbody>
</table>

### Clinical Stage (ClinNA)

**Definition:**
Indicate if clinical staging is not applicable. Clinical stage is defined as stage of cancer based on non-operative techniques (history, physical exam, radiological tests). For benign disease, or pulmonary metastases of any type, pathological staging is not applicable.

**Valid Data:** Yes; No

<table>
<thead>
<tr>
<th>Harvest Coding</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>
### Clinical Staging (ClinStage)

**ShortName:** ClinStage  
**SeqNo:** 545  
**Field Name:** Clinical Staging  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)

- **DataSource:** User  
- **Default:** (Null/blank = missing)  
- **TableName:** Operations  
- **ParentField:** Category  
  - **ParentValue:** Trachea - Malignant, Lung - Primary, Mediastinum, Metastases - Lung, Metastases - Other, Pleura - Neoplastic, Pleura - Other, Esophagus - Primary, Primary Chest Wall, Other

**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No

**ChangeFromV2_06:**  
1. Changed Core from "Yes" to "No".  
2. Changed Harvest from "Yes" to "No".

### Clinical stage T (ClinT)

**ShortName:** ClinT  
**SeqNo:** 550  
**Field Name:** Clinical stage T  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)

- **DataSource:** User  
- **Default:** (Null/blank = missing)  
- **TableName:** Operations  
- **ParentField:** ClinNA  
  - **ParentValue:** <> "Yes"

**ValidData:** X; O; 1; 2; 3; 4  
**HarvestCoding:** 1 = 1  
2 = 2  
3 = 3  
4 = 4  
5 = X  
6 = O  
7 = S

**ChangeFromV2_06:** 1. Add new field.

### Clinical stage N (ClinN)

**ShortName:** ClinN  
**SeqNo:** 560  
**Field Name:** Clinical stage N  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)

- **DataSource:** User  
- **Default:** (Null/blank = missing)  
- **TableName:** Operations  
- **ParentField:** ClinNA  
  - **ParentValue:** <> "Yes"

**ValidData:** X; O; 1; 2; 3  
**HarvestCoding:** 1 = 1  
2 = 2
ChangeFromV2_06:

**Field Name:** Clinical stage M  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User Default: (Null/blank = missing)  
**ParentField:** ClinNA ParentValue: <> "Yes"  
**ValidData:** X; O; 1  
**HarvestCoding:**  
1 = 1  
2 = X  
3 = O

**Field Name:** Clinical stage Ma, b  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User Default: (Null/blank = missing)  
**ParentField:** ClinNA ParentValue: <> "Yes"  
**ValidData:** M1a; M1b  
**HarvestCoding:**  
1 = M1a  
2 = M1b

**Field Name:** Preop PFTs not done  
**Core:** No  
**Harvest:** No  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User Default: (Null/blank = missing)  
**ParentField:** ParentValue:  
**ValidData:** Yes; No  
**HarvestCoding:**  
1 = Yes  
2 = No

**Field Name:** Pulmonary Function Tests Done  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)
### FVCND

**ShortName:** FVCND  
**FieldName:** FVC Test Not Done 
**Definition:** Indicate whether a Forced Vital Capacity (FVC) test was done. 
**Format:** Text (categorical values specified by STS) 
**DataSource:** User 
**ParentField:** PFTNA 
**ValidData:** Yes; No 
**HarvestCoding:**  
1 = Yes 
2 = No 
**ChangeFromV2_06:**  
1. Add new field.

### FVC

**ShortName:** FVC  
**FieldName:** Forced Vital Capacity Test Done 
**Definition:** Indicate whether a Forced Vital Capacity (FVC) Test was done. 
**Format:** Text (categorical values specified by STS) 
**DataSource:** User 
**ParentField:** PFTNA 
**ValidData:** Yes; No 
**HarvestCoding:**  
1 = Yes 
2 = No 
**ChangeFromV2_06:**  
1. Changed Core from "Yes" to "No". 
2. Changed Harvest from "Yes" to "No".

### FVCAct

**ShortName:** FVCAct  
**FieldName:** FVC actual 
**Definition:** Indicate the actual FVC obtained for the patient. 
**Format:** Real number 2.2 digits e.g. 99.99 
**DataSource:** User 
**ParentField:** FVCND 
**ValidData:** 0.00 - 10.00 
**ChangeFromV2_06:**

### FVCPred

**ShortName:** FVCPred  
**FieldName:** FVC predicted 
**Definition:** Indicate the % predicted FVC obtained for the patient. 
**Format:** Integer 
**DataSource:** User 
**ParentField:** FVCND 
**ChangeFromV2_06:**
<table>
<thead>
<tr>
<th>ShortName:</th>
<th>FEVND</th>
<th>SeqNo: 615</th>
</tr>
</thead>
<tbody>
<tr>
<td>FieldName:</td>
<td>FEV1 Test Not Done</td>
<td>Core: No</td>
</tr>
<tr>
<td>Definition:</td>
<td>Indicate whether a Forced Expiratory Volume at 1 second (FEV1) test was not done.</td>
<td>Harvest: No</td>
</tr>
<tr>
<td>Format:</td>
<td>Text (categorical values specified by STS)</td>
<td></td>
</tr>
<tr>
<td>DataSource:</td>
<td>User</td>
<td>Default: (Null/blank = missing)</td>
</tr>
<tr>
<td>ParentField:</td>
<td>PFTNA</td>
<td>ParentValue: &lt;&gt; &quot;Yes&quot;</td>
</tr>
<tr>
<td>ValidData:</td>
<td>Yes; No</td>
<td></td>
</tr>
<tr>
<td>HarvestCoding:</td>
<td>1 = Yes, 2 = No</td>
<td></td>
</tr>
<tr>
<td>ChangeFromV2_06:</td>
<td>1. Changed Core from &quot;Yes&quot; to &quot;No&quot;. 2. Changed Harvest from &quot;Yes&quot; to &quot;No&quot;.</td>
<td></td>
</tr>
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<table>
<thead>
<tr>
<th>ShortName:</th>
<th>FEV</th>
<th>SeqNo: 616</th>
</tr>
</thead>
<tbody>
<tr>
<td>FieldName:</td>
<td>Forced Expiratory Volume Test Done</td>
<td>Core: Yes</td>
</tr>
<tr>
<td>Definition:</td>
<td>Indicate whether a Forced Expiratory Volume at 1 second (FEV1) test was done.</td>
<td>Harvest: Yes</td>
</tr>
<tr>
<td>Format:</td>
<td>Text (categorical values specified by STS)</td>
<td></td>
</tr>
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<td>DataSource:</td>
<td>User</td>
<td>Default: (Null/blank = missing)</td>
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<td>ParentField:</td>
<td></td>
<td>ParentValue:</td>
</tr>
<tr>
<td>ValidData:</td>
<td>Yes; No</td>
<td></td>
</tr>
<tr>
<td>HarvestCoding:</td>
<td>1 = Yes, 2 = No</td>
<td></td>
</tr>
<tr>
<td>ChangeFromV2_06:</td>
<td>1. Add new field.</td>
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<table>
<thead>
<tr>
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<th>FEVAct</th>
<th>SeqNo: 620</th>
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</thead>
<tbody>
<tr>
<td>FieldName:</td>
<td>FEV1 actual</td>
<td>Core: Yes</td>
</tr>
<tr>
<td>Definition:</td>
<td>Indicate the actual FEV1 obtained for the patient.</td>
<td>Harvest: Yes</td>
</tr>
<tr>
<td>Format:</td>
<td>Real number 2.2 digits e.g. 99.99</td>
<td></td>
</tr>
<tr>
<td>DataSource:</td>
<td>User</td>
<td>Default: (Null/blank = missing)</td>
</tr>
<tr>
<td>ParentField:</td>
<td>FEVND</td>
<td>ParentValue: &lt;&gt; &quot;Yes&quot;</td>
</tr>
<tr>
<td>ValidData:</td>
<td>0.00 - 10.00</td>
<td></td>
</tr>
<tr>
<td>HarvestCoding:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ChangeFromV2_06:</td>
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</tbody>
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<table>
<thead>
<tr>
<th>ShortName:</th>
<th>FEVPred</th>
<th>SeqNo: 630</th>
</tr>
</thead>
<tbody>
<tr>
<td>FieldName:</td>
<td>FEV1 predicted</td>
<td>Core: Yes</td>
</tr>
<tr>
<td>Definition:</td>
<td>Indicate the % predicted actual FEV1 obtained for the patient.</td>
<td>Harvest: Yes</td>
</tr>
<tr>
<td>Format:</td>
<td>Integer</td>
<td></td>
</tr>
<tr>
<td>DataSource:</td>
<td>User</td>
<td>Default: (Null/blank = missing)</td>
</tr>
<tr>
<td>ParentField:</td>
<td>FEVND</td>
<td>ParentValue: &lt;&gt; &quot;Yes&quot;</td>
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<tr>
<td>ChangeFromV2_06:</td>
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<tr>
<td>ShortName:</td>
<td>DLCOND</td>
<td>SeqNo: 635</td>
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<tr>
<td>-----------</td>
<td>--------</td>
<td>-----------</td>
</tr>
<tr>
<td>FieldName:</td>
<td>DLCO Test Not Done</td>
<td>Core: No</td>
</tr>
<tr>
<td>Definition:</td>
<td>Indicate whether a lung diffusion measured with carbon monoxide (DLCO) test was not done.</td>
<td>Harvest: No</td>
</tr>
<tr>
<td>Format:</td>
<td>Text (categorical values specified by STS)</td>
<td></td>
</tr>
<tr>
<td>DataSource:</td>
<td>User</td>
<td>Default: (Null/blank = missing)</td>
</tr>
<tr>
<td>ParentField:</td>
<td>PFTNA</td>
<td>ParentValue: &lt;&gt; &quot;Yes&quot;</td>
</tr>
<tr>
<td>ValidData:</td>
<td>Yes; No</td>
<td></td>
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<tr>
<td>HarvestCoding:</td>
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<tr>
<td>2 = No</td>
<td></td>
<td></td>
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<tr>
<td>ChangeFromV2_06:</td>
<td>1. Changed Core from &quot;Yes&quot; to &quot;No&quot;.</td>
<td></td>
</tr>
<tr>
<td>2. Changed Harvest from &quot;Yes&quot; to &quot;No&quot;.</td>
<td></td>
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<table>
<thead>
<tr>
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<th>DLCO</th>
<th>SeqNo: 636</th>
</tr>
</thead>
<tbody>
<tr>
<td>FieldName:</td>
<td>Lung Diffusion Measured With Carbon Monoxide</td>
<td>Core: Yes</td>
</tr>
<tr>
<td>Definition:</td>
<td>Indicate whether a lung diffusion measured with carbon monoxide (DLCO) test was done.</td>
<td>Harvest: Yes</td>
</tr>
<tr>
<td>Format:</td>
<td>Text (categorical values specified by STS)</td>
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</tr>
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<td>User</td>
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<tr>
<td>ValidData:</td>
<td>Yes; No</td>
<td></td>
</tr>
<tr>
<td>HarvestCoding:</td>
<td>1 = Yes</td>
<td></td>
</tr>
<tr>
<td>2 = No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ChangeFromV2_06:</td>
<td>1. Add new field.</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ShortName:</th>
<th>DLCOPred</th>
<th>SeqNo: 650</th>
</tr>
</thead>
<tbody>
<tr>
<td>FieldName:</td>
<td>DLCO predicted</td>
<td>Core: Yes</td>
</tr>
<tr>
<td>Definition:</td>
<td>Indicate the % predicted DLCO value obtained for the patient.</td>
<td>Harvest: Yes</td>
</tr>
<tr>
<td>Format:</td>
<td>Integer</td>
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</tr>
<tr>
<td>DataSource:</td>
<td>User</td>
<td>Default: (Null/blank = missing)</td>
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<td>DLCOND</td>
<td>ParentValue: &lt;&gt; &quot;Yes&quot;</td>
</tr>
<tr>
<td>ValidData:</td>
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<tr>
<td>HarvestCoding:</td>
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<td></td>
</tr>
<tr>
<td>ChangeFromV2_06:</td>
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</tr>
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<table>
<thead>
<tr>
<th>ShortName:</th>
<th>ASA</th>
<th>SeqNo: 660</th>
</tr>
</thead>
<tbody>
<tr>
<td>FieldName:</td>
<td>ASA class 1-5</td>
<td>Core: Yes</td>
</tr>
<tr>
<td>Definition:</td>
<td>Indicate the patient’s American Society of Anesthesiologists Risk Scale for this admissions surgical procedure. This information can be found in the operating room Anesthesia Record.</td>
<td>Harvest: Yes</td>
</tr>
<tr>
<td>Format:</td>
<td>Text (categorical values specified by STS)</td>
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<td>ParentField:</td>
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<td></td>
</tr>
<tr>
<td>ValidData:</td>
<td>I; II; III; IV; V</td>
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<td>HarvestCoding:</td>
<td>1 = I</td>
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<td>2 = II</td>
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<td>3 = III</td>
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<td>4 = IV</td>
<td></td>
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</tr>
<tr>
<td>5 = V</td>
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ChangeFromV2_06: 1. Changed Definition - Changed "OR" to "operating room".

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<thead>
<tr>
<th>ShortName: OREntryT</th>
<th>SeqNo: 670</th>
</tr>
</thead>
<tbody>
<tr>
<td>FieldName: Time when patient entered Operating Room.</td>
<td>Core: Yes</td>
</tr>
<tr>
<td>Definition: Indicate to the nearest minute (using 24 hour clock) the time the patient enters the operating room.</td>
<td>Harvest: Yes</td>
</tr>
<tr>
<td>Format: Time in 24 hour hh:mm format</td>
<td></td>
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<tr>
<td>DataSource: User</td>
<td>Default: (Null/blank = missing)</td>
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<tr>
<td>TableName: Operations</td>
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<tr>
<td>ParentField:</td>
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</tr>
<tr>
<td>ValidData: Time of day in 24 hour clock hh:mm format</td>
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<tr>
<td>HarvestCoding:</td>
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</tr>
<tr>
<td>ChangeFromV2_06: 1. Changed Definition - Changed &quot;OR&quot; to &quot;operating room&quot;.</td>
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<table>
<thead>
<tr>
<th>ShortName: SIStartT</th>
<th>SeqNo: 680</th>
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</thead>
<tbody>
<tr>
<td>FieldName: Time of skin opening</td>
<td>Core: Yes</td>
</tr>
<tr>
<td>Definition: Indicate to the nearest minute (using 24 hour clock) the time the skin incision was made.</td>
<td>Harvest: Yes</td>
</tr>
<tr>
<td>Format: Time in 24 hour hh:mm format</td>
<td></td>
</tr>
<tr>
<td>DataSource: User</td>
<td>Default: (Null/blank = missing)</td>
</tr>
<tr>
<td>TableName: Operations</td>
<td></td>
</tr>
<tr>
<td>ParentField:</td>
<td>ParentValue:</td>
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<td>HarvestCoding:</td>
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<td>ChangeFromV2_06:</td>
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<table>
<thead>
<tr>
<th>ShortName: SISStopT</th>
<th>SeqNo: 690</th>
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</thead>
<tbody>
<tr>
<td>FieldName: Time of skin closure</td>
<td>Core: Yes</td>
</tr>
<tr>
<td>Definition: Indicate to the nearest minute (using 24 hour clock) the time the skin incision was closed. If patient leaves the operating room with an open incision, collect the time the dressings were applied to the incision.</td>
<td>Harvest: Yes</td>
</tr>
<tr>
<td>Format: Time in 24 hour hh:mm format</td>
<td></td>
</tr>
<tr>
<td>DataSource: User</td>
<td>Default: (Null/blank = missing)</td>
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<td>TableName: Operations</td>
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<td>ParentField:</td>
<td>ParentValue:</td>
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<tr>
<td>ValidData: Time of day in 24 hour clock hh:mm format</td>
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<tr>
<td>HarvestCoding:</td>
<td></td>
</tr>
<tr>
<td>ChangeFromV2_06: 1. Changed Definition - Changed &quot;OR&quot; to &quot;operating room&quot;.</td>
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<table>
<thead>
<tr>
<th>ShortName: ORExitT</th>
<th>SeqNo: 700</th>
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</thead>
<tbody>
<tr>
<td>FieldName: Time when patient exits Operating Room.</td>
<td>Core: Yes</td>
</tr>
<tr>
<td>Definition: Indicate to the nearest minute (using 24 hour clock) the time the patient exits the operating room.</td>
<td>Harvest: Yes</td>
</tr>
<tr>
<td>Format: Time in 24 hour hh:mm format</td>
<td></td>
</tr>
<tr>
<td>DataSource: User</td>
<td>Default: (Null/blank = missing)</td>
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<tr>
<td>TableName: Operations</td>
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<tr>
<td>ParentField:</td>
<td>ParentValue:</td>
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<tr>
<td>ValidData: Time of day in 24 hour hh:mm format</td>
<td></td>
</tr>
<tr>
<td>HarvestCoding:</td>
<td></td>
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<tr>
<td>ChangeFromV2_06: 1. Changed Definition - Changed &quot;OR&quot; to &quot;operating room&quot;.</td>
<td></td>
</tr>
<tr>
<td>Sequence Number</td>
<td>Field Name</td>
</tr>
<tr>
<td>-----------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>710</td>
<td>Did operation go</td>
</tr>
<tr>
<td>720</td>
<td>Clinical Status of</td>
</tr>
<tr>
<td></td>
<td>the Patient</td>
</tr>
<tr>
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<tr>
<td>725</td>
<td>Reoperation</td>
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<tr>
<td>728</td>
<td>Blood transfusion</td>
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<td></td>
<td>- Intraop</td>
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</tbody>
</table>
defined as any blood started inside of the operating room.

Format: Text (categorical values specified by STS)

DataSource: User Default: (Null/blank = missing) TableName: Operations

ValidData: Yes; No
HarvestCoding: 1 = Yes
2 = No

ChangeFromV2_06:
1. Changed SeqNo from 1066 to 728.
2. Changed DCFSection from "Post-Operative Events" to "Procedures".
3. Changed Definition - Changed "OR" to "operating room".

---

**ShortName:** OrgSys
**SeqNo:** 730

**FieldName:** Organ system
**Core:** Yes

**Definition:** Indicate the organ system on which the surgical procedure is being performed.

**Format:** Text (categorical values specified by STS)

DataSource: User Default: (Null/blank = missing) TableName: Procedures

ParentField: ParentValue:

ValidData: Chest Wall; Mediastinum/Neck; Tracheobronchial; Pulmonary; Esophagogastric; Cardiac/Pericardium/Great Vessels; Diaphragm; Pleura; Air Leak Control Measures

HarvestCoding: 1 = Chest Wall
2 = Mediastinum/Neck
3 = Tracheobronchial
4 = Pulmonary
5 = Esophagogastric
6 = Cardiac/Pericardium/Great Vessels
7 = Diaphragm
8 = Pleura
9 = Air Leak Control Measures

ChangeFromV2_06:

---

**ShortName:** Proc
**SeqNo:** 740

**FieldName:** Procedure
**Core:** Yes

**Definition:** Indicate the general thoracic procedures being performed during this operating room visit. Please note: A separate General Thoracic Database Data Collection Form should be completed for each general thoracic operating room or endoscopy suite visit.

**Format:** Text (categorical values specified by STS)

DataSource: User Default: (Null/blank = missing) TableName: Procedures

ParentField: ParentValue:

ValidData: Chest Wall Biopsy; Rib Resection (single); First/Cervical Rib Resection; Chest Wall Resection; Chest Wall Reconstruction; Thoracoplasty; Pectus Repair; Sternectomy, complete; Sternectomy, partial; Muscle Flap; Other Chest Wall Repair; Mediastinal LN Biopsy; Mediastinoscopy; Anterior Mediastinotomy; Extended Cervical Mediastinoscopy; Mediastinal Lymph Node Dissection; Mediastinal Lymph Node Sampling; Biopsy, Mediastinal Mass; Resection, Mediastinal Mass; Thymectomy; Sympathectomy; Thoracic duct ligation; Other Mediastinal/Neck procedure; Flexible Bronchoscopy; Rigid Bronchoscopy; Removal of Foreign Body (Tracheobronchial); Endobronchial Ablation, Laser / PDT; Endobronchial Ablation, Mechanical; Tracheal/ Bronchial Stent; Tracheostomy; Tracheal Repair; Tracheal Stricture Resection; Tracheal Tumor Resection; Carinal Resection (no lung resection); Bronchotomy; Bronchial Repair; Bronchoplasty; TE Fistula Repair; Other Tracheobronchial procedure; Wedge Resection, single; Wedge Resection, multiple; Segmentectomy; Lobectomy; Sleeve Lobectomy; Bilobectomy; Pneumonectomy, standard; Pneumonectomy, Carinal;
Completion pneumonectomy; Extrapleural pneumonectomy; Pneumonectomy, intrapericardial; Lung Volume Reduction; Bullectomy / repair; Hydatid Cyst Resection; Single Lung Transplant; Double Lung Transplant; Lung Donor Harvest; Other Lung procedure; Esophagoscopy, flexible; Esophagoscopy, rigid; Removal of Foreign Body (Esophagogastric); Dilation of Esophagus; Esophageal Tumor Ablation, Laser / PDT; Stent Placement; Cervical esophagostomy; Anterior Thoracic Esophagostomy; Zenker's Diverticulum Repair; Myotomy, cricopharyngeal; Myotomy, esophageal (long); Myotomy, cardia (short); Resection, intrathoracic diverticulum; Resection, esophagus (esophagectomy); Resection, esophageal wall lesion; Fundoplication, circumferential; Fundoplication, partial; Gastroplasty; Pyloroplasty; Pyloromyotomy; Gastrectomy; Gastrostomy; Jejunostomy; Conduit, gastric; Conduit, coloc; Conduit, jejunum; Conduit, other; Anastomosis, neck; Anastomosis, Chest; Other Esophageal procedure; Other GI procedure; Pericardial Window; Percardectomy; Repair Cardiac Laceration; Other Pericardial Procedure; Repair / Reconstruction, thoracic aorta; Repair / Reconstruction, abd aorta; Repair / Reconstruction, SVC; Repair / Reconstruction, IVC; Repair / Reconstruction, pulmonary artery; Repair / Reconstruction, pulmonary vein(s); Repair / Reconstruction, left atrium; Repair / Reconstruction, Subclavian Artery; Cardiopulmonary Bypass; Other Cardiac procedure; Plication of Diaphragm; Diaphragmatic Hernia Repair, acute; Diaphragmatic Hernia Repair, chronic; Resection of Diaphragm; Reconstruction of Diaphragm; Other Diaphragm procedure; Pleural Drainage Procedure - Open; Pleural Drainage Procedure - Closed; Pleural Biopsy; Pleurodesis; Pleurectomy; Decortication; Clagett Procedure; Other Pleural procedure; Fibrin Glue; Pericardial Strips; Lung Sealant; Pleural Tent; Other Air Leak Control Measures

<table>
<thead>
<tr>
<th>HarvestCoding</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>10</td>
<td>Chest Wall Biopsy</td>
</tr>
<tr>
<td>20</td>
<td>Rib Resection (single)</td>
</tr>
<tr>
<td>30</td>
<td>First/Cervical Rib Resection</td>
</tr>
<tr>
<td>40</td>
<td>Chest Wall Resection</td>
</tr>
<tr>
<td>50</td>
<td>Chest Wall Reconstruction</td>
</tr>
<tr>
<td>60</td>
<td>Thoracoplasty</td>
</tr>
<tr>
<td>70</td>
<td>Pectus Repair</td>
</tr>
<tr>
<td>80</td>
<td>Sternotomy, complete</td>
</tr>
<tr>
<td>90</td>
<td>Sternotomy, partial</td>
</tr>
<tr>
<td>95</td>
<td>Muscle Flap</td>
</tr>
<tr>
<td>100</td>
<td>Other Chest Wall Repair</td>
</tr>
<tr>
<td>110</td>
<td>Mediastinal LN Biopsy</td>
</tr>
<tr>
<td>120</td>
<td>Mediastinoscopy</td>
</tr>
<tr>
<td>130</td>
<td>Anterior Mediastinotomy</td>
</tr>
<tr>
<td>140</td>
<td>Extended Cervical Mediastinoscopy</td>
</tr>
<tr>
<td>150</td>
<td>Mediastinal Lymph Node Dissection</td>
</tr>
<tr>
<td>160</td>
<td>Mediastinal Lymph Node Sampling</td>
</tr>
<tr>
<td>170</td>
<td>Biopsy, Mediastinal Mass</td>
</tr>
<tr>
<td>180</td>
<td>Resection, Mediastinal Mass</td>
</tr>
<tr>
<td>190</td>
<td>Thymectomy</td>
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<tr>
<td>200</td>
<td>Sympathectomy</td>
</tr>
<tr>
<td>210</td>
<td>Thoracic duct ligation</td>
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<tr>
<td>220</td>
<td>Other Mediastinal/Neck procedure</td>
</tr>
<tr>
<td>230</td>
<td>Flexible Bronchoscopy</td>
</tr>
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<td>240</td>
<td>Rigid Bronchoscopy</td>
</tr>
<tr>
<td>250</td>
<td>Removal of Foreign Body (Tracheobronchial)</td>
</tr>
<tr>
<td>260</td>
<td>Endobronchial Ablation, Laser / PDT</td>
</tr>
<tr>
<td>265</td>
<td>Endobronchial Ablation, Mechanical</td>
</tr>
<tr>
<td>270</td>
<td>Tracheal/Bronchial Stent</td>
</tr>
<tr>
<td>280</td>
<td>Tracheostomy</td>
</tr>
<tr>
<td>290</td>
<td>Tracheal Repair</td>
</tr>
<tr>
<td>300</td>
<td>Tracheal Stricture Resection</td>
</tr>
<tr>
<td>310</td>
<td>Tracheal Tumor Resection</td>
</tr>
<tr>
<td>320</td>
<td>Carinal Resection (no lung resection)</td>
</tr>
<tr>
<td>330</td>
<td>Bronchotomy</td>
</tr>
<tr>
<td>340</td>
<td>Bronchial Repair</td>
</tr>
<tr>
<td>350</td>
<td>Bronchoplasty</td>
</tr>
<tr>
<td>370</td>
<td>TE Fistula Repair</td>
</tr>
<tr>
<td>380</td>
<td>Other Tracheobronchial procedure</td>
</tr>
<tr>
<td>390</td>
<td>Wedge Resection, single</td>
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</tbody>
</table>
400 = Wedge Resection, multiple
410 = Segmentectomy
420 = Lobectomy
425 = Sleeve Lobectomy
430 = Bilobectomy
440 = Pneumonectomy, standard
445 = Pneumonectomy, Carinal
450 = Completion pneumonectomy
460 = Extrapleural pneumonectomy
470 = Pneumonectomy, intrapericardial
480 = Lung Volume Reduction
490 = Bullectomy / repair
500 = Hydatid Cyst Resection
510 = Single Lung Transplant
520 = Double Lung Transplant
530 = Lung Donor Harvest
540 = Other Lung procedure
550 = Esophagoscopy, flexible
560 = Esophagoscopy, rigid
570 = Removal of Foreign Body (Esophagogastric)
580 = Dilation of Esophagus
590 = Esophageal Tumor Ablation, Laser / PDT
600 = Stent Placement
610 = Cervical esophagostomy
620 = Anterior Thoracic Esophagostomy
630 = Zenker's Diverticulum Repair
640 = Myotomy, cricopharyngeal
650 = Myotomy, esophageal (long)
660 = Myotomy, cardia (short)
670 = Resection, intrathoracic diverticulum
680 = Resection, esophagus (esophagectomy)
690 = Resection, esophageal wall lesion
695 = Repair, perforation of esophagus - iatrogenic
696 = Repair, perforation of esophagus - Malignant
697 = Repair, perforation of esophagus - Other
700 = Fundoplication, circumferentia
710 = Fundoplication, partial
720 = Gastroplasty
730 = Pyloroplasty
740 = Pyloromyotomy
750 = Gastrectomy
760 = Gastrostomy
770 = Jejunostomy
780 = Conduit, gastric
790 = Conduit, colon
800 = Conduit, jejunum
810 = Conduit, other
820 = Anastomosis, neck
830 = Anastomosis, Chest
840 = Other Esophageal procedure
850 = Other GI procedure
860 = Pericardial Window
870 = Pericardiectomy
880 = Repair Cardiac Laceration
890 = Other Pericardial Procedure
900 = Repair / Reconstruction, thoracic aorta
910 = Repair / Reconstruction, abd aorta
920 = Repair / Reconstruction, SVC
930 = Repair / Reconstruction, IVC
940 = Repair / Reconstruction, pulmonary artery
950 = Repair / Reconstruction, pulmonary vein(s)
960 = Repair / Reconstruction, left atrium
965 = Repair / Reconstruction, Subclavian Artery
970 = Cardiopulmonary Bypass
980 = Other Cardiac procedure
990 = Plication of Diaphragm
1000 = Diaphragmatic Hernia Repair, acute
1010 = Diaphragmatic Hernia Repair, chronic
1020 = Resection of Diaphragm
1030 = Reconstruction of Diaphragm
1040 = Other Diaphragm procedure
1050 = Pleural Drainage Procedure - Open
1060 = Pleural Drainage Procedure - Closed
1070 = Pleural Biopsy
1080 = Pleurodesis
1090 = Pleurectomy
1100 = Decortication
1110 = Clagett Procedure
1120 = Other Pleural procedure
1130 = Fibrin Glue
1140 = Pericardial Strips
1150 = Lung Sealant
1160 = Pleural Tent
1170 = Other Air Leak Control Measures

ChangeFromV2_06: 1. Changed Definition - Added the text " or endoscopy suite ".

SeqNo: 750
FieldName: Primary Procedure
ShortName: Primary
Core: Yes
Harvest: Yes
Format: Text (categorical values specified by STS)
DataSource: User Default: (Null/blank = missing) TableName: Procedures
ParentField: ParentValue:
ValidData: Yes; No
HarvestCoding: 1 = Yes
2 = No
ChangeFromV2_06:

SeqNo: 751
FieldName: Approach - Thoracoscopy
ShortName: ApprThcscpy
Core: Yes
Harvest: Yes
Format: Text (categorical values specified by STS)
DataSource: User Default: (Null/blank = missing) TableName: Operations
ParentField: ParentValue:
ValidData: Yes; No
HarvestCoding: 1 = Yes
2 = No
ChangeFromV2_06:

SeqNo: 752
FieldName: Approach - Thoracotomy
ShortName: ApprThctmy
Core: Yes
Harvest: Yes
Format: Text (categorical values specified by STS)
DataSource: User Default: (Null/blank = missing) TableName: Operations
ParentField: ParentValue:
ValidData: Yes; No
HarvestCoding: 1 = Yes
2 = No
ChangeFromV2_06:

SeqNo: 753
FieldName: Approach - Thoracoabdominal
ShortName: ApprThcabdml
Core: Yes
Harvest: Yes
Format: Text (categorical values specified by STS)
DataSource: User Default: (Null/blank = missing) TableName: Operations
ParentField: ParentValue:
ValidData: Yes; No
HarvestCoding: 1 = Yes
2 = No
ChangeFromV2_06:
**Approach - Median Sternotomy**

**ShortName:** ApprMedStern  
**SeqNo:** 754  
**Definition:** Indicate whether a Median Sternotomy approach was used for the primary surgical procedure.

**Approach - Partial Sternotomy**

**ShortName:** ApprPartStern  
**SeqNo:** 755  
**Definition:** Indicate whether a Partial Sternotomy approach was used for the primary surgical procedure.

**Approach - Transverse Sternotomy**

**ShortName:** ApprTranStern  
**SeqNo:** 756  
**Definition:** Indicate whether a Transverse Sternotomy approach was used for the primary surgical procedure.

**Approach - Laparotomy**

**ShortName:** ApprLptomy  
**SeqNo:** 757  
**Definition:** Indicate whether a Laparotomy approach was used for the primary surgical procedure.
**FieldName: Approach - Laparoscopy**  
**ShortName: ApprLpscpy**  
**Core: Yes**  
**Harvest: Yes**  
**Format: Text (categorical values specified by STS)**  
**Definition: Indicate whether a Laparoscopy approach was used for the primary surgical procedure.**  
**ValidData: Yes; No**  
**HarvestCoding: 1 = Yes**  
**2 = No**  
**ChangeFromV2_06:**

**FieldName: Approach - Cervical**  
**ShortName: ApprCerv**  
**Core: Yes**  
**Harvest: Yes**  
**Format: Text (categorical values specified by STS)**  
**Definition: Indicate whether a Cervical approach was used for the primary surgical procedure.**  
**ValidData: Yes; No**  
**HarvestCoding: 1 = Yes**  
**2 = No**  
**ChangeFromV2_06:**

**FieldName: Approach - Subxyphoid**  
**ShortName: ApprSubx**  
**Core: Yes**  
**Harvest: Yes**  
**Format: Text (categorical values specified by STS)**  
**Definition: Indicate whether a Subxyphoid approach was used for the primary surgical procedure.**  
**ValidData: Yes; No**  
**HarvestCoding: 1 = Yes**  
**2 = No**  
**ChangeFromV2_06:**

**FieldName: Approach - Other Approach**  
**ShortName: ApprOther**  
**Core: Yes**  
**Harvest: Yes**  
**Format: Text (categorical values specified by STS)**  
**Definition: Indicate whether any other approach was used for the primary surgical procedure.**  
**ValidData: Yes; No**  
**HarvestCoding: 1 = Yes**  
**2 = No**  
**ChangeFromV2_06:**
**Laterality**

**FieldName**: Laterality  
**Core**: Yes  
**Harvest**: Yes  
**Format**: Text (categorical values specified by STS)

**DataSource**: User  
**Default**: (Null/blank = missing)  
**TableName**: Operations

**Definition**: Indicate the laterality of the primary surgical procedure.

**ValidData**: Right; Left; Both  
**HarvestCoding**: 1 = Right  
2 = Left  
3 = Both

**ChangeFromV2_06**:  
1. Changed Core from "Yes" to "No".  
2. Changed Harvest from "Yes" to "No".

---

**NoPostop**

**FieldName**: No postop events occurred  
**Core**: No  
**Harvest**: No  
**Format**: Text (categorical values specified by STS)

**DataSource**: User  
**Default**: (Null/blank = missing)  
**TableName**: Operations

**Definition**: Indicate whether the patient did not experience any postoperative events.

**ValidData**: Yes; No  
**HarvestCoding**: 1 = Yes  
2 = No

**ChangeFromV2_06**:  
1. Changed Core from "Yes" to "No".  
2. Changed Harvest from "Yes" to "No".

---

**POEvents**

**FieldName**: Postoperative Events Occurred  
**Core**: Yes  
**Harvest**: Yes  
**Format**: Text (categorical values specified by STS)

**DataSource**: User  
**Default**: (Null/blank = missing)  
**TableName**: Operations

**Definition**: Indicate whether the patient experienced any postoperative events.

**ValidData**: Yes; No  
**HarvestCoding**: 1 = Yes  
2 = No

**ChangeFromV2_06**:  
1. Add new field.

---

**AirLeak5**

**FieldName**: Air leak with a duration of more than five days postop  
**Core**: Yes  
**Harvest**: Yes  
**Format**: Text (categorical values specified by STS)

**DataSource**: User  
**Default**: (Null/blank = missing)  
**TableName**: Operations

**Definition**: Indicate whether the patient experienced an air leak for more than five days postoperative.

**ValidData**: Yes; No  
**ParentField**: POEvents  
**ParentValue**: = "Yes"
**ShortName**: Atelectasis

**FieldName**: Atelectasis requiring bronchoscopy

**Core**: Yes

**Harvest**: Yes

**Format**: Text (categorical values specified by STS)

**DataSource**: User

**Default**: (Null/blank = missing)

**TableName**: Operations

**Definition**: Indicate whether the patient experienced atelectasis requiring a bronchoscopy in the post-operative period.

**ValidData**: Yes; No

**HarvestCoding**: 1 = Yes

2 = No

**ChangeFromV2_06**: 1. Changed ParentField from blank to "POEvents".

2. Changed ParentValue from blank to '= "Yes"'.

---

**ShortName**: Pneumonia

**FieldName**: Patient experienced pneumonia postoperatively.

**Core**: Yes

**Harvest**: Yes

**Format**: Text (categorical values specified by STS)

**DataSource**: User

**Default**: (Null/blank = missing)

**TableName**: Operations

**Definition**: Indicate if the patient experienced pneumonia in the post-operative period. Pneumonia is defined as meeting three of five characteristics: fever, leucocytosis, CXR with infiltrate, positive culture from sputum, or treatment with antibiotics.

**ValidData**: Yes; No

**HarvestCoding**: 1 = Yes

2 = No

**ChangeFromV2_06**: 1. Changed ParentField from blank to "POEvents".

2. Changed ParentValue from blank to '= "Yes"'.

---

**ShortName**: ARDS

**FieldName**: Patient has evidence of Adult Respiratory Distress Syndrome.

**Core**: Yes

**Harvest**: Yes

**Format**: Text (categorical values specified by STS)

**DataSource**: User

**Default**: (Null/blank = missing)

**TableName**: Operations

**Definition**: Indicate whether the patient has evidence of ARDS (Adult respiratory distress syndrome). According to the American-European consensus conference, a diagnosis of ARDS is assigned if all of the following criteria are present:

1. Acute onset
2. Arterial hypoxemia with PaO2/FIO2 lower than 200 (regardless of PEEP level)
3. Bilateral infiltrates seen on chest radiograph
4. Pulmonary artery occlusive pressure lower than 18 mm Hg or no clinical evidence of left atrial hypertension
5. Compatible risk factors

**ValidData**: Yes; No

**HarvestCoding**: 1 = Yes

2 = No

**ChangeFromV2_06**: 1. Changed ParentField from blank to "POEvents".

2. Changed ParentValue from blank to '= "Yes"'.

---

**ShortName**: Bronchopleural
**FieldName:** Bronchopleural fistula  
**Core:** Yes  
**Harvest:** Yes

**Definition:** Indicate if the patient experienced a documented bronchopleural fistula in the postoperative period. Bronchopleural fistula is defined as a major bronchial air leak requiring intervention such as a chest tube, operation, or other procedure.

**Format:** Text (categorical values specified by STS)

**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Operations

**ParentField:** POEvents  
**ParentValue:** = "Yes"

**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No

**ChangeFromV2_06:**  
1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '= "Yes"'.

---

**FieldName:** Pulmonary embolus  
**ShortName:** PE  
**Core:** Yes  
**Harvest:** Yes

**Definition:** Indicate whether the patient experienced a Pulmonary Embolus in the post-operative period as experienced by a V/Q scan, angiogram or spiral CT.

**Format:** Text (categorical values specified by STS)

**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Operations

**ParentField:** POEvents  
**ParentValue:** = "Yes"

**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No

**ChangeFromV2_06:**  
1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '= "Yes"'.

---

**FieldName:** Initial vent support >48 hours  
**ShortName:** Vent  
**Core:** Yes  
**Harvest:** Yes

**Definition:** Indicate if the patient initially was ventilated greater than 48 hours in the post-operative period. If the patient is extubated prior to 48 hours, this item would not be selected. If the patient is reintubated, please select the postoperative event "reintubation" and do not select this element even if the reintubation ventilator support is > 48 hours. Ventilator support ends with the removal of the endotracheal tube or if the patient has a tracheostomy tube, until no longer ventilator dependent.

**Format:** Text (categorical values specified by STS)

**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Operations

**ParentField:** POEvents  
**ParentValue:** = "Yes"

**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No

**ChangeFromV2_06:**  
1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '= "Yes"'.

---

**FieldName:** Reintubate  
**ShortName:** Reintube  
**Core:** Yes  
**Harvest:** Yes

**Definition:** Indicate whether the patient was re-intubated during the initial hospital stay after the initial extubation. This may include patients who have been extubated in the operating room and require intubation in the postoperative period.

**Format:** Text (categorical values specified by STS)

**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Operations

**ParentField:** POEvents  
**ParentValue:** = "Yes"
ValidData: Yes; No
HarvestCoding: 1 = Yes
2 = No
ChangeFromV2_06: 1. Changed ParentField from blank to "POEvents".
2. Changed ParentValue from blank to '=' "Yes"'.

**FieldName:** Tracheostomy  
**ShortName:** Trach  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** POEvents  
**ParentValue:** = "Yes"

ValidData: Yes; No
HarvestCoding: 1 = Yes
2 = No
ChangeFromV2_06: 1. Changed ParentField from blank to "POEvents".
2. Changed ParentValue from blank to '=' "Yes"'.

**FieldName:** Other pulmonary event  
**ShortName:** OtherPul  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** POEvents  
**ParentValue:** = "Yes"

ValidData: Yes; No
HarvestCoding: 1 = Yes
2 = No
ChangeFromV2_06: 1. Changed ParentField from blank to "POEvents".
2. Changed ParentValue from blank to '=' "Yes"'.

**FieldName:** Atrial arrhythmia requiring treatment  
**ShortName:** AtrialArryth  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** POEvents  
**ParentValue:** = "Yes"

ValidData: Yes; No
HarvestCoding: 1 = Yes
2 = No
ChangeFromV2_06: 1. Changed ParentField from blank to "POEvents".
2. Changed ParentValue from blank to '=' "Yes"'.
3. Changed Definition: Added the sentence "Note: If patient has a preoperative history of atrial arrhythmia, then atrial arrhythmia would not be considered a postoperative event."
### Ventricular Arrhythmia Requiring Treatment

<table>
<thead>
<tr>
<th><strong>ShortName:</strong></th>
<th>VentArryth</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FieldName:</strong></td>
<td>Ventricular arrhythmia requiring treatment</td>
</tr>
</tbody>
</table>
| **Definition:** | Indicate whether the patient, in the post-operative period, experienced sustained ventricular tachycardia and/or ventricular fibrillation that has been clinically documented or treated with any of the following treatment modalities:  
1. ablation therapy  
2. AICD  
3. permanent pacemaker  
4. pharmacologic treatment  
5. electrocardioversion |
| **Format:** | Text (categorical values specified by STS) |
| **DataSource:** | User |
| **ParentField:** | POEvents |
| **ParentValue:** | = "Yes" |
| **ValidData:** | Yes; No |
| **HarvestCoding:** | 1 = Yes  
2 = No |
| **ChangeFromV2_06:** | 1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '= "Yes"'. |

### Myocardial Infarct

<table>
<thead>
<tr>
<th><strong>ShortName:</strong></th>
<th>MI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FieldName:</strong></td>
<td>Myocardial infarct</td>
</tr>
</tbody>
</table>
| **Definition:** | Indicate if the patient experienced a MI postoperatively as evidenced by:  
1. transmural infarction: Defined by the appearance of a new Q wave in two or more contiguous leads on ECG, or  
2. subendocardial infarction: (non-Qwave) Infarction, which is considered present in a patient having clinical, angiographic, electrocardiographic, and/or laboratory isoenzyme evidence of myocardial necrosis with an ECG showing no new Q waves |
| **Format:** | Text (categorical values specified by STS) |
| **DataSource:** | User |
| **ParentField:** | POEvents |
| **ParentValue:** | = "Yes" |
| **ValidData:** | Yes; No |
| **HarvestCoding:** | 1 = Yes  
2 = No |
| **ChangeFromV2_06:** | 1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '= "Yes"'. |

### Deep Vein Thrombosis Requiring Treatment

<table>
<thead>
<tr>
<th><strong>ShortName:</strong></th>
<th>DVT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FieldName:</strong></td>
<td>DVT requiring treatment</td>
</tr>
<tr>
<td><strong>Definition:</strong></td>
<td>Indicate whether the patient has experienced a deep venous thrombosis confirmed by doppler study, contrast study, or other study in the post-operative period.</td>
</tr>
<tr>
<td><strong>Format:</strong></td>
<td>Text (categorical values specified by STS)</td>
</tr>
<tr>
<td><strong>DataSource:</strong></td>
<td>User</td>
</tr>
<tr>
<td><strong>ParentField:</strong></td>
<td>POEvents</td>
</tr>
<tr>
<td><strong>ParentValue:</strong></td>
<td>= &quot;Yes&quot;</td>
</tr>
<tr>
<td><strong>ValidData:</strong></td>
<td>Yes; No</td>
</tr>
</tbody>
</table>
| **HarvestCoding:** | 1 = Yes  
2 = No |
| **ChangeFromV2_06:** | 1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '= "Yes"'. |

### Other Cardiovascular Event

<table>
<thead>
<tr>
<th><strong>ShortName:</strong></th>
<th>OtherCV</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FieldName:</strong></td>
<td>Other cardiovascular event</td>
</tr>
<tr>
<td><strong>Definition:</strong></td>
<td>Indicate whether the patient has experienced a cardiovascular event that is not expressed elsewhere in the database.</td>
</tr>
<tr>
<td><strong>Format:</strong></td>
<td>Text (categorical values specified by STS)</td>
</tr>
<tr>
<td><strong>DataSource:</strong></td>
<td>User</td>
</tr>
<tr>
<td><strong>ParentField:</strong></td>
<td>POEvents</td>
</tr>
<tr>
<td><strong>ParentValue:</strong></td>
<td>= &quot;Yes&quot;</td>
</tr>
<tr>
<td><strong>ValidData:</strong></td>
<td>Yes; No</td>
</tr>
</tbody>
</table>
| **HarvestCoding:** | 1 = Yes  
2 = No |
| **ChangeFromV2_06:** | 1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '= "Yes"'. |
Definition: Indicate whether any other CV event occurred including distal arterial embolism in the post-operative period.

Harvest: Yes

Format: Text (categorical values specified by STS)

DataSource: User Default: (Null/blank = missing) TableName: Operations

ParentField: POEvents ParentValue: = "Yes"

ValidData: Yes; No

HarvestCoding: 1 = Yes
2 = No

ChangeFromV2_06: 1. Changed ParentField from blank to "POEvents".
2. Changed ParentValue from blank to '= "Yes"'.

ShortName: GastricOutlet SeqNo: 990

FieldName: Gastric outlet obstruction Core: Yes

Definition: Indicate whether the patient experienced a gastric outlet obstruction requiring intervention, e.g., IV for dehydration, endoscopy and dilation, reoperation, etc., in the post-operative period.

Harvest: Yes

Format: Text (categorical values specified by STS)

DataSource: User Default: (Null/blank = missing) TableName: Operations

ParentField: POEvents ParentValue: = "Yes"

ValidData: Yes; No

HarvestCoding: 1 = Yes
2 = No

ChangeFromV2_06: 1. Changed ParentField from blank to "POEvents".
2. Changed ParentValue from blank to '= "Yes"'.

ShortName: Ileus SeqNo: 1000

FieldName: Patient experienced an ileus postoperatively. Core: Yes

Definition: Indicate whether the patient experienced an ileus lasting greater than three days as defined by limited GI motility requiring treatment e.g. nasogastric tube insertion for decompression, etc., in the post-operative period.

Harvest: Yes

Format: Text (categorical values specified by STS)

DataSource: User Default: (Null/blank = missing) TableName: Operations

ParentField: POEvents ParentValue: = "Yes"

ValidData: Yes; No

HarvestCoding: 1 = Yes
2 = No

ChangeFromV2_06: 1. Changed ParentField from blank to "POEvents".
2. Changed ParentValue from blank to '= "Yes"'.

ShortName: AnastoMed SeqNo: 1010

FieldName: Anastomosis requiring medical treatment only Core: Yes

Definition: Indicate whether the patient in the post-operative period experienced an esophageal anastomosis leak or abnormality that required medical management only, i.e., NPO, antibiotics, etc. If a leak or an abnormality occurs on Barium Swallow only and does not require surgical intervention /drainage, i.e., treated with NPO and delay in oral intake, then code this element as "yes".

Harvest: Yes

Format: Text (categorical values specified by STS)

DataSource: User Default: (Null/blank = missing) TableName: Operations

ParentField: POEvents ParentValue: = "Yes"

ValidData: Yes; No

HarvestCoding: 1 = Yes
2 = No

ChangeFromV2_06: 1. Changed ParentField from blank to "POEvents".
2. Changed ParentValue from blank to '= "Yes"'.
**FieldName:** Anastomosis requiring surgical treatment  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User  
**ParentField:** POEvents  
**ParentValue:** = "Yes"  
**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No  
**ChangeFromV2_06:** 1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '=' "Yes"'.

**Definition:** Indicate whether the patient in the post-operative period experienced an esophageal anastomosis leak or abnormality that required medical management only, i.e., NPO, antibiotics, etc. If a leak or an abnormality occurs on Barium Swallow only and does not require surgical intervention /drainage, i.e., treated with NPO and delay in oral intake, then code this element as "yes". Indicate whether the patient in the post-operative period experienced an esophageal anastomosis leak that required surgical intervention or manipulation, i.e., reoperation (in the operating room or requiring general anesthesia, repeat thoracotomy for drainage and control of the leak) for the esophageal anastomotic leak. Opening the neck incision for drainage at the bedside would be included here.

---

**FieldName:** Dilation of the esophagus prior to discharge  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User  
**ParentField:** POEvents  
**ParentValue:** = "Yes"  
**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No  
**ChangeFromV2_06:** 1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '=' "Yes"'.

**Definition:** Indicate whether the patient required dilation of the esophagus within the post-operative period.

---

**FieldName:** Any other GI event occurred.  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User  
**ParentField:** POEvents  
**ParentValue:** = "Yes"  
**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No  
**ChangeFromV2_06:** 1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '=' "Yes"'.

**Definition:** Indicate if the patient experienced any other GI events in the post-operative period.

---

**FieldName:** Bleeding requiring reoperation  
**Core:** Yes  
**Harvest:** Yes  
**Format:** Text (categorical values specified by STS)  
**DataSource:** User  
**ParentField:** POEvents  
**ParentValue:** = "Yes"  
**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No  
**ChangeFromV2_06:** 1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '=' "Yes"'.

**Definition:** Indicate whether an operative reintervention was required for bleeding.
**Blood transfusion - Postop**

**ShortName:** TransPostop  
**SeqNo:** 1067  
**Core:** Yes  
**Harvest:** Yes  
**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** POEvents  
**ParentValue:** = "Yes"  
**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No  
**ChangeFromV2_06:**  
1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '=' "Yes"'.

**Other hematology or bleeding event requiring treatment**

**ShortName:** OtherHema  
**SeqNo:** 1070  
**Core:** Yes  
**Harvest:** Yes  
**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** POEvents  
**ParentValue:** = "Yes"  
**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No  
**ChangeFromV2_06:**  
1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '=' "Yes"'.

**Urinary tract infection**

**ShortName:** UTI  
**SeqNo:** 1080  
**Core:** Yes  
**Harvest:** Yes  
**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** POEvents  
**ParentValue:** = "Yes"  
**ValidData:** Yes; No  
**HarvestCoding:** 1 = Yes  
2 = No  
**ChangeFromV2_06:**  
1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '=' "Yes"'.

**Empyema**

**ShortName:** Empyema  
**SeqNo:** 1090

---

STSGeneral Thoracic Surgery Database Data Specifications for Vendors Version: 2.07

Format: Text (categorical values specified by STS)

DataSource: User  
Default: (Null/blank = missing)  
TableName: Operations  
ParentField: POEvents  
ParentValue: = "Yes"  
ValidData: Yes; No  
HarvestCoding: 1 = Yes  
2 = No  
ChangeFromV2_06:  
1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '=' "Yes"'.

---

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**FieldName**: Patient experienced empyema requiring treatment.  
**Core**: Yes  
**Harvest**: Yes  
**Format**: Text (categorical values specified by STS)  
**DataSource**: User  
**Default**: (Null/blank = missing)  
**TableName**: Operations  
**ParentField**: POEvents  
**ParentValue**: = "Yes"  
**ValidData**: Yes; No  
**HarvestCoding**: 1 = Yes  
2 = No  
**ChangeFromV2_06**: 1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '=' "Yes"'.

---

**FieldName**: Wound infection  
**Core**: Yes  
**Harvest**: Yes  
**Format**: Text (categorical values specified by STS)  
**DataSource**: User  
**Default**: (Null/blank = missing)  
**TableName**: Operations  
**ParentField**: POEvents  
**ParentValue**: = "Yes"  
**ValidData**: Yes; No  
**HarvestCoding**: 1 = Yes  
2 = No  
**ChangeFromV2_06**: 1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '=' "Yes"'.

---

**FieldName**: Patient experienced sepsis (septicemia).  
**Core**: Yes  
**Harvest**: Yes  
**Format**: Text (categorical values specified by STS)  
**DataSource**: User  
**Default**: (Null/blank = missing)  
**TableName**: Operations  
**ParentField**: POEvents  
**ParentValue**: = "Yes"  
**ValidData**: Yes; No  
**HarvestCoding**: 1 = Yes  
2 = No  
**ChangeFromV2_06**: 1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '=' "Yes"'.

---

**FieldName**: New central neurological event  
**Core**: Yes  
**Harvest**: Yes  
**Format**: Text (categorical values specified by STS)  
**DataSource**: User  
**Default**: (Null/blank = missing)  
**TableName**: Operations  
**ParentField**: POEvents  
**ParentValue**: = "Yes"  
**ValidData**: Yes; No  
**HarvestCoding**: 1 = Yes  
2 = No  
**ChangeFromV2_06**: 1. Changed ParentField from blank to "POEvents".  
2. Changed ParentValue from blank to '=' "Yes"'.

---
### Recurrent laryngeal nerve paresis

- **FieldName:** Recurrent laryngeal nerve paresis
- **Core:** Yes
- **Harvest:** Yes
- **Format:** Text (categorical values specified by STS)
- **DataSource:** User Default: (Null/blank = missing) TableName: Operations
- **Definition:** Indicate whether the patient experienced in the postoperative period a recurrent laryngeal nerve paresis or paralysis that was not identified during the pre-operative evaluation.

### Other neurological event

- **FieldName:** Other neurological event
- **Core:** Yes
- **Harvest:** Yes
- **Format:** Text (categorical values specified by STS)
- **DataSource:** User Default: (Null/blank = missing) TableName: Operations
- **Definition:** Indicate whether the patient experienced any other neurologic event in the post-operative period.

### New renal failure

- **FieldName:** New renal failure
- **Core:** Yes
- **Harvest:** Yes
- **Format:** Text (categorical values specified by STS)
- **DataSource:** User Default: (Null/blank = missing) TableName: Operations
- **Definition:** Indicate whether the patient experienced renal failure in the post-operative period as documented by acute or worsening renal failure resulting in one or more of the following:
  1. Increase of serum creatinine to > 2.0 and 2x most recent preoperative creatinine level
  2. A new requirement for dialysis postoperatively

### Chylothorax requiring drainage/medical treatment only

- **FieldName:** Chylothorax requiring drainage/medical treatment only
- **Core:** Yes
**Definition:** Indicate whether the patient experienced a chylothorax in the post-operative period that required drainage and medical intervention, i.e., NPO, TPN, etc., only. Chylothorax requiring surgical intervention, i.e., thoracotomy, laparotomy, thoracoscopy, etc., should not be captured here.

**Format:** Text (categorical values specified by STS)

<table>
<thead>
<tr>
<th>SeqNo</th>
<th>FieldName</th>
<th>ShortName</th>
<th>Core</th>
<th>Harvest</th>
<th>Format</th>
<th>DataSource</th>
<th>Default</th>
<th>ParentField</th>
<th>ParentValue</th>
<th>ValidData</th>
<th>HarvestCoding</th>
<th>ChangeFromV2_06</th>
</tr>
</thead>
<tbody>
<tr>
<td>1180</td>
<td>Chylothorax requiring surgical intervention</td>
<td>ChyloSurg</td>
<td>Yes</td>
<td>Yes</td>
<td>Text</td>
<td>User</td>
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<td>Yes</td>
<td>1 = Yes</td>
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<td></td>
<td></td>
<td></td>
<td>1. Changed ParentField from blank to &quot;POEvents&quot;.</td>
</tr>
</tbody>
</table>

**Definition:** Indicate whether the patient experienced a chylothorax in the post-operative period requiring surgical intervention, i.e., thoracotomy, laparotomy, thoracoscopy, etc.

**Format:** Text (categorical values specified by STS)

<table>
<thead>
<tr>
<th>SeqNo</th>
<th>FieldName</th>
<th>ShortName</th>
<th>Core</th>
<th>Harvest</th>
<th>Format</th>
<th>DataSource</th>
<th>Default</th>
<th>ParentField</th>
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<th>HarvestCoding</th>
<th>ChangeFromV2_06</th>
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</thead>
<tbody>
<tr>
<td>1190</td>
<td>Delirium tremens</td>
<td>Delirium</td>
<td>Yes</td>
<td>Yes</td>
<td>Text</td>
<td>User</td>
<td>(Null/blank = missing)</td>
<td>POEvents</td>
<td>= &quot;Yes&quot;</td>
<td></td>
<td>Yes</td>
<td>1 = Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td>1. Changed ParentField from blank to &quot;POEvents&quot;.</td>
</tr>
</tbody>
</table>

**Definition:** Indicate whether the patient experienced delirium tremens in the post-operative period marked by illusions, confusion, cerebral excitement, and having a comparatively short course.

**Format:** Text (categorical values specified by STS)

<table>
<thead>
<tr>
<th>SeqNo</th>
<th>FieldName</th>
<th>ShortName</th>
<th>Core</th>
<th>Harvest</th>
<th>Format</th>
<th>DataSource</th>
<th>Default</th>
<th>ParentField</th>
<th>ParentValue</th>
<th>ValidData</th>
<th>HarvestCoding</th>
<th>ChangeFromV2_06</th>
</tr>
</thead>
<tbody>
<tr>
<td>1200</td>
<td>Other events requiring medical treatment</td>
<td>OtherMed</td>
<td>Yes</td>
<td>Yes</td>
<td>Text</td>
<td>User</td>
<td>(Null/blank = missing)</td>
<td>POEvents</td>
<td>= &quot;Yes&quot;</td>
<td></td>
<td>Yes</td>
<td>1 = Yes</td>
</tr>
<tr>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td>1. Changed ParentField from blank to &quot;POEvents&quot;.</td>
</tr>
</tbody>
</table>
2. Changed ParentValue from blank to ‘= "Yes"’.

**FieldName:** Other events requiring OR with general anesthesia
**ShortName:** OtherSurg
**Definition:** Indicate whether the patient experienced any other surgical events in the post-operative period requiring a procedure with general anesthesia.
**Format:** Text (categorical values specified by STS)
**DataSource:** User
**ParentField:** POEvents
**ParentValue:** = "Yes"
**ValidData:** Yes; No
**HarvestCoding:** 1 = Yes
2 = No
**TableName:** Operations

---

**FieldName:** Discharge date
**ShortName:** DischDt
**Definition:** Indicate the date the patient was discharged from the hospital (acute care). If the patient expired in the hospital, the discharge date is the date of death.
**Format:** Date in mm/dd/yyyy format
**DataSource:** User
**ParentField:** ParentValue:
**ValidData:** Date value in mm/dd/yyyy format
**HarvestCoding:**

---

**FieldName:** Discharge status - alive or dead
**ShortName:** MtDCStat
**Definition:** Indicate whether the patient was alive or dead at discharge from the hospitalization in which the primary surgery procedure occurred.
**Format:** Text (categorical values specified by STS)
**DataSource:** User
**ParentField:** ParentValue:
**ValidData:** Alive; Dead
**HarvestCoding:** 1 = Alive
2 = Dead

---

**FieldName:** Date of death if death occurs after discharge
**ShortName:** MtDate
**Definition:** Indicate the date the patient was diagnosed clinically dead.
**Format:** Date in mm/dd/yyyy format
**DataSource:** User
**ParentField:** ParentValue:
**ValidData:** Date value in mm/dd/yyyy format
**HarvestCoding:**

---
<table>
<thead>
<tr>
<th>FieldName</th>
<th>ShortName</th>
<th>Core</th>
<th>Harvest</th>
<th>Format</th>
<th>DataSource</th>
<th>ParentField</th>
<th>ParentValue</th>
<th>DataSpecs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status 30 days after surgery - alive or dead</td>
<td>Mt30Stat</td>
<td>Yes</td>
<td>Yes</td>
<td>Text (categorical values specified by STS)</td>
<td>User</td>
<td>(Null/blank = missing)</td>
<td></td>
<td>Operations</td>
</tr>
<tr>
<td>Indicate whether the patient was alive or dead at 30 days post surgery (whether in the hospital or not).</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alive; Dead; Unknown</td>
<td>HarvestCoding: 1 = Alive</td>
<td>2 = Dead</td>
<td>3 = Unknown</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td>ChangeFromV2_06:</td>
<td>1. Changed ParentField from &quot;MtDCStat&quot; to blank.</td>
<td>2. Changed ParentValue from '=' &quot;Alive&quot; to blank.</td>
<td>3. Changed ValidData - Added &quot;Unknown&quot; option.</td>
<td>4. Changed HarvestCoding - Added &quot;3 = Unknown&quot; option.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FieldName</th>
<th>ShortName</th>
<th>Core</th>
<th>Harvest</th>
<th>Format</th>
<th>DataSource</th>
<th>ParentField</th>
<th>ParentValue</th>
<th>DataSpecs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chest tube use</td>
<td>CTubeUse</td>
<td>Yes</td>
<td>Yes</td>
<td>Text (categorical values specified by STS)</td>
<td>User</td>
<td>(Null/blank = missing)</td>
<td></td>
<td>Operations</td>
</tr>
<tr>
<td>Indicate whether the patient had one or more chest tubes in place during this admission.</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes; No</td>
<td>HarvestCoding: 1 = Yes</td>
<td>2 = No</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>1. Add new field.</td>
<td>ChangeFromV2_06:</td>
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</table>

<table>
<thead>
<tr>
<th>FieldName</th>
<th>ShortName</th>
<th>Core</th>
<th>Harvest</th>
<th>Format</th>
<th>DataSource</th>
<th>ParentField</th>
<th>ParentValue</th>
<th>DataSpecs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient Discharged with Chest Tube</td>
<td>CTubeDis</td>
<td>Yes</td>
<td>Yes</td>
<td>Text (categorical values specified by STS)</td>
<td>User</td>
<td>(Null/blank = missing)</td>
<td>CTubeUse</td>
<td>Operations</td>
</tr>
<tr>
<td>Indicate whether the patient was discharged with a chest tube. If patient expired during this hospitalization with chest tube(s) in place, this field would appropriately be answered Yes.</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td>= &quot;Yes&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes; No</td>
<td>HarvestCoding: 1 = Yes</td>
<td>2 = No</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>1. Changed ParentField from blank to &quot;CTubeUse&quot;.</td>
<td>ChangeFromV2_06:</td>
<td>2. Changed ParentValue from blank to '=' &quot;Yes&quot;.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>FieldName</th>
<th>ShortName</th>
<th>Core</th>
<th>Harvest</th>
<th>Format</th>
<th>DataSource</th>
<th>ParentField</th>
<th>ParentValue</th>
<th>DataSpecs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date chest tube was removed</td>
<td>CTubeOutDate</td>
<td>Yes</td>
<td>Yes</td>
<td>Date in mm/dd/yyyy format</td>
<td>User</td>
<td>(Null/blank = missing)</td>
<td>CTubeDis</td>
<td>Operations</td>
</tr>
<tr>
<td>Indicate the date the last chest tube was removed prior to discharge.</td>
<td></td>
<td></td>
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<td></td>
<td>= &quot;No&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>HarvestCoding: Date value in mm/dd/yyyy format</td>
<td></td>
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ChangeFromV2_06: 1. Changed ParentField from "MtDCStat" to blank.
2. Changed ParentValue from '=' "Alive" to blank.
3. Changed ValidData - Added "Unknown" option.
4. Changed HarvestCoding - Added "3 = Unknown" option.

ChangeFromV2_06: 1. Add new field.
2. Changed ParentField from blank to "CTubeUse".
3. Changed ParentValue from blank to '=' "Yes".
<table>
<thead>
<tr>
<th>SeqNo: 1300</th>
<th>ShortName: PathNA</th>
<th>FieldName: Pathological stage n/a</th>
<th>Definition: Indicate if path staging is not applicable. For benign disease or pulmonary metastases of any type, pathological staging is not applicable.</th>
<th>Format: Text (categorical values specified by STS)</th>
<th>DataSource: User</th>
<th>Default: (Null/blank = missing)</th>
<th>TableName: Operations</th>
<th>Core: No</th>
<th>Harvest: No</th>
</tr>
</thead>
<tbody>
<tr>
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</table>

**ChangeFromV2_06:**
1. Changed Core from "Yes" to "No".
2. Changed Harvest from "Yes" to "No".

<table>
<thead>
<tr>
<th>SeqNo: 1305</th>
<th>ShortName: PathStage</th>
<th>FieldName: Pathological Staging Applicable</th>
<th>Definition: Indicate whether pathological staging is applicable.</th>
<th>Format: Text (categorical values specified by STS)</th>
<th>DataSource: User</th>
<th>Default: (Null/blank = missing)</th>
<th>TableName: Operations</th>
<th>Core: Yes</th>
<th>Harvest: Yes</th>
</tr>
</thead>
<tbody>
<tr>
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**ChangeFromV2_06:**
1. Add new field.

<table>
<thead>
<tr>
<th>SeqNo: 1310</th>
<th>ShortName: PathT</th>
<th>FieldName: Pathological stage T</th>
<th>Definition: Indicate the appropriate descriptor for tumor based on the pathological staging characteristics of the tumor. (See Appendix A for full description.)</th>
<th>Format: Text (categorical values specified by STS)</th>
<th>DataSource: User</th>
<th>Default: (Null/blank = missing)</th>
<th>TableName: Operations</th>
<th>Core: Yes</th>
<th>Harvest: Yes</th>
</tr>
</thead>
<tbody>
<tr>
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</table>

**ChangeFromV2_06:**

<table>
<thead>
<tr>
<th>SeqNo: 1320</th>
<th>ShortName: PathN</th>
<th>FieldName: Pathological stage N</th>
<th>Definition: Indicate the appropriate descriptor for nodes based on the pathological staging characteristics of the lymph nodes. (See Appendix A for full description.)</th>
<th>Format: Text (categorical values specified by STS)</th>
<th>DataSource: User</th>
<th>Default: (Null/blank = missing)</th>
<th>TableName: Operations</th>
<th>Core: Yes</th>
<th>Harvest: Yes</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
</tbody>
</table>
**SeqNo:** 1330  
**FieldName:** Pathological stage M  
**ShortName:** PathM  
**Core:** Yes  
**Harvest:** Yes  
**Definition:** Indicate the appropriate descriptor for metastasis based on the pathological staging characteristics of the metastasis(es). (See Appendix A for full description.)

**Format:** Text (categorical values specified by STS)

**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** PathNA  
**ParentValue:** <> "Yes"

**ValidData:** X; O; 1; 2; 3

**HarvestCoding:**
1 = 1  
2 = 2  
3 = 3  
4 = X  
5 = 0

**ChangeFromV2_06:**

---

**SeqNo:** 1340  
**FieldName:** Pathological stage Ma, b  
**ShortName:** PathMAB  
**Core:** Yes  
**Harvest:** Yes  
**Definition:** For esophageal carcinoma patients only. Please indicate the appropriate Metastasis descriptor based on the pathological staging of the metastasis(es). (See Appendix A for full description.)

**Format:** Text (categorical values specified by STS)

**DataSource:** User  
**Default:** (Null/blank = missing)  
**TableName:** Operations  
**ParentField:** PathNA  
**ParentValue:** <> "Yes"

**ValidData:** M1a; M1b

**HarvestCoding:**
1 = M1a  
2 = M1b

**ChangeFromV2_06:**
Appendix A: Clinical and Pathological Staging Descriptions

LUNG CANCER TNM DESCRIPTORS

Clinical staging of lung carcinoma may include history, physical examination, biopsy, routine laboratory studies, bronchoscopy, mediastinoscopy, diagnostic imaging, bone scan, computed tomography, positron emission tomography, and magnetic resonance imaging. Lymph nodes $\geq 1$ cm should be considered clinically positive. Lymph nodes, which are less than 1 cm, should have biopsy proof before being designated as "positive".

TUMOR DESCRIPTORS

- **TX** Primary tumor cannot be assessed, or tumor proven by the presence of malignant cells in sputum or bronchial washings but not visualized by imaging studies, roentgenographically or bronchoscopically, or any tumor that cannot be assessed, as in a retreatment staging.
- **T0** No evidence of primary tumor.
- **Tis[S]** Carcinoma in situ.
- **T1** A tumor that is 3.0 cm or less in greatest dimension, surrounded by lung or visceral pleura, and without bronchoscopic evidence of invasion more proximal to a lobar bronchus at bronchoscopy, * (i.e., not in the main bronchus)
- **T2** A tumor with any of the following features of size or extent:
  - More than 3.0 cm in greatest dimension
  - A tumor of any size that invades the visceral pleura
  - Associated with atelectasis or obstructive pneumonitis extending to the hilar region but does not involve the entire lung.

At bronchoscopy, the proximal extent of demonstrable tumor must be within a lobar bronchus or at least 2.0 cm distal to the carina. Any associated atelectasis or obstructive pneumonitis must involve less than an entire lung.

- **T3** A tumor of any size that directly involves any of the following:
  - Chest wall (including superior sulcus tumors)
  - Diaphragm
  - Mediastinal pleura
  - Parietal pericardium without involving the heart, great vessels, trachea, esophagus or vertebral body
  - Or a tumor in the main bronchus less than 2 cm distal to be carina, but without involving the carina, or associated atelectasis or obstructive pneumonitis of the entire lung.

- **T4** A tumor of any size that invades any of the following:
  - Mediastinum
  - Heart
  - Great vessels
  - Trachea
  - Esophagus
  - Vertebral body
  - Carina
  - Or presence of malignant pleural or pericardial effusion, **
  - Or with satellite tumor nodules within the ipsilateral, primary tumor lobe of the lung.

*T1: The uncommon superficial tumor of any size with its invasive component limited to the bronchial wall which may extend proximal to the main bronchus is classified as T1.

**T4: Most pleural effusions associated with lung cancer are due to tumor. There are, however, some few patients in whom cytopathological examination of pleural fluid (or more than one specimen) is negative for tumor, the fluid is non-bloody and is not an exudate. In such cases where these elements and clinical judgment dictate that the effusion is not related to the tumor, the patients should be staged T1, T2, or T3, excluding effusion as a staging element.
NODAL DESCRIPTORS

- NX  Regional lymph nodes cannot be assessed
- N0  No demonstrable metastasis to regional lymph nodes.
- N1  Metastasis to lymph nodes in the peribronchial or the ipsilateral hilar region, or both, including direct extension of the primary tumor.
- N2  Metastasis to ipsilateral mediastinal and/or subcarinal lymph node(s).
- N3  Metastasis to contralateral mediastinal, contralateral hilar, ipsilateral or contralateral scalene or supraclavicular lymph node(s).

METASTASIS DESCRIPTORS

- MX  Distant metastasis cannot be assessed
- M0  No (known) distant metastasis
- M1  Distant metastasis present ***.

  ***M1: Separate metastatic tumor nodules in ipsilateral nonprimary tumor lobe(s) of the lung also are classified M1.

ESOPHAGEAL CARCINOMA STAGING

Clinical staging of esophageal carcinoma may include history, physical examination, biopsy, routine laboratory studies, esophagoscopy, diagnostic imaging, computed tomography, and esophageal ultrasound. Esophageal ultrasound may be used for identifying tumor location, depth of invasion of the esophageal wall, and enlarged lymph nodes. Lymph nodes >= 1 cm should be considered clinically positive. Lymph nodes, which are less than 1 cm, should have biopsy proof before being designated as "positive".

Primary Tumor (T)

TX  Primary tumor cannot be assessed
T0  No evidence of primary tumor
Tis  Carcinoma in situ or high-grade [severe] dysplasia in Barretts’ esophagus
T1  Tumor invades lamina propria or submucosa
T2  Tumor invades into muscularis propria
T3  Tumor invades into adventitia
T4  Tumor invades adjacent structures

Regional Lymph Nodes (N)

NX  Regional lymph nodes cannot be assessed
N0  No regional lymph node metastasis
N1  Regional lymph node metastasis

Distant Metastasis (M)

MX  Distant metastasis cannot be assessed
M0  No evidence of distant metastasis
M1  Distant metastasis present:

  Tumors of the lower thoracic esophagus:
  - M1a  metastasis to celiac lymph nodes
  - M1b  other distant metastasis

  Tumors of the mid thoracic esophagus
  - M1a  [not applicable]
  - M1b  nonregional lymph nodes and/or other distant metastasis

  Tumors of the upper thoracic esophagus
  - M1a  metastasis to cervical nodes
  - M1b  other distant metastasis