ShortName: **RecordID**   SeqNo: 10

FieldName: Operations Table Record Identifier   Core: Yes

Definition: An arbitrary, unique number that permanently identifies each record in the participant's   Harvest: Yes
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
conjuction 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 theparticipant. This value may also be at the warehouse to link to
other clinical data.

ParentField: ParentValue:

HarvestCoding:

ShortName: **RecordID**   SeqNo: 20

FieldName: Procedures Table Record Identifier   Core: Yes

Definition: This field is the foreign key that links this record with the associated records in the   Harvest: Yes
"Operations" table.

ParentField: ParentValue:

HarvestCoding:

ShortName: **VendorID**   SeqNo: 30

FieldName: Software vendor's identification   Core: Yes

Definition: Software vendor's identification assigned by the STS.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding:

ShortName: **SoftVrsn**   SeqNo: 40

FieldName: Vendor's software version number   Core: Yes

Definition: Vendor's software product version number identifying the software which created this   Harvest: Yes
record. Vendor controls the value in this field. Version passing certificiation/harvest
testing will be noted at warehouse.

ParentField: ParentValue:

HarvestCoding:

ShortName: **DataVrsn**   SeqNo: 50

FieldName: Version of STS Data Specification   Core: Yes

Definition: Version number of the STS Data Specifications/Dictionary, to which the record   Harvest: Yes
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.

ParentField: ParentValue:

HarvestCoding:

ShortName: **RecComp**   SeqNo: 60

FieldName: Record complete   Core: Yes

Definition: Indicate whether the record data is complete or not. This entry is made by the software   Harvest: No
data quality check process. This field does not impact a procedure's harvest status. It is
intended as an internal quality control field for data managers at site.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                  2 = No

ShortName: **ParticID**   SeqNo: 70

FieldName: Participant ID   Core: Yes

Definition: Participant ID is a unique number assigned to each database Participant by the STS. A   Harvest: Yes
database Participant is defined as one entity that signs a Participation Agreement with
the STS, submits one data file to the harvest, and gets back one report on their data. The
ParticipantID must be entered into each record.

ParentField: ParentValue:

HarvestCoding:

ShortName: **PatID**   SeqNo: 80

FieldName: Operations Table Patient Identifier   Core: Yes

Definition: The foreign key that links this record with the associated records in the "PatientInfo" table.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding:

ShortName: **PatID**   SeqNo: 90

FieldName: Demographics Table Patient Identifier   Core: Yes

Definition: An arbitrary number that uniquely identifies this patient in the database. This field is the   Harvest: Yes
primary key that links this record with the associated records in the "STSData" 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.

ParentField: ParentValue:

HarvestCoding:

ShortName: **MedRecN**   SeqNo: 100

FieldName: Medical Record #   Core: Yes

Definition: Indicate the hospital medical number assigned to the patient.   Harvest: No

ParentField: ParentValue:

HarvestCoding:

ShortName: **PatFName**   SeqNo: 110

FieldName: Patient's first name   Core: Yes

Definition: Indicate the first name of the patient.   Harvest: No

ParentField: ParentValue:

HarvestCoding:

ShortName: **PatMInit**	SeqNo: 120
FieldName: Patient's middle initial	Core: Yes
Definition: Indicate the middle initial of the patient.	Harvest: No
ParentField: ParentValue:	
HarvestCoding:	

ShortName: **PatLName**	SeqNo: 130
FieldName: Patient's last name	Core: Yes
Definition: Indicate the last name of the patient.	Harvest: No
ParentField: ParentValue:	
HarvestCoding:	

ShortName: **SSN**	SeqNo: 140
FieldName: Social Security Number	Core: Yes
Definition: 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.	Harvest: No
ParentField: ParentValue:	
HarvestCoding:	

ShortName: **DOB**	SeqNo: 150
FieldName: Date of birth	Core: Yes
Definition: 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.	Harvest: Optional
ParentField: ParentValue:	
HarvestCoding:	

ShortName: **PostalCode**	SeqNo: 160
FieldName: Patient's zip code	Core: Yes
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.	Harvest: Optional
ParentField: ParentValue:	
HarvestCoding:	

ShortName: **Gender**	SeqNo: 170
FieldName: Gender	Core: Yes
Definition: Indicate the patient's gender at birth as either male or female.	Harvest: Yes
ParentField: ParentValue:	
HarvestCoding: 1 = Male 2 = Female	

ShortName: **Race**   SeqNo: 180

FieldName: Patient's race   Core: Yes

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

ParentField: ParentValue:

HarvestCoding: 1 = Caucasian
                 2 = Black
                 3 = Hispanic
                 4 = Asian
                 5 = Native American
                 777 = Other

ShortName: **Age**   SeqNo: 190

FieldName: Age at time of surgery   Core: Yes

Definition: Indicate the patient's age in years, at time of surgery. This should be calculated from the   Harvest: Yes
              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).

ParentField: ParentValue:

HarvestCoding:

ShortName: **Zubrod**   SeqNo: 200

FieldName: Patient's Zubrod score   Core: Yes

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

ParentField: ParentValue:

HarvestCoding: 0 = Normal activity, no sysmptoms
                 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

ShortName: **Surgeon**   SeqNo: 210

FieldName: Surgeon's name   Core: Yes

Definition: Indicate the surgeon's name. This field must have controlled data entry where a user   Harvest: No
              selects the SurgeonName from a user list. This will remove variation in spelling,
              abbreviations and punctuation within the field. Note: Surgeon name is encrypted in the
              analysis database. Punctuation, abbreviations and spacing differences can not be
              corrected at the warehouse.

ParentField: ParentValue:

HarvestCoding:

ShortName: **UPIN**   SeqNo: 220

FieldName: Surgeon's UPIN number   Core: Yes

Definition: Surgeon's UPIN Number. This value is automatically inserted into the record when the   Harvest: Yes
              user selects the surgeon. The list of surgeons and associated UPIN values are
              maintained by the user.

ParentField: ParentValue:

HarvestCoding:

ShortName: **HospName**		SeqNo: 230
FieldName: Hospital Name		Core: Yes
Definition: Indicate he full name of the facility where the procedure was performed. Values should be full, official hospital names with no abbreviations or variations in spelling for a single hospital. Values should also be in mixed-case.		Harvest: No
ParentField:	ParentValue:	
HarvestCoding:		

ShortName: **HospCode**		SeqNo: 240
FieldName: Hospital code = AHA number		Core: Yes
Definition: Indicate the Hospital code or AHA number. Values are automatically inserted into the record when the user selects the hospital name. The list of hospital names and associated hospital codes are maintained by the user.		Harvest: Yes
ParentField:	ParentValue:	
HarvestCoding:		

ShortName: **HospZIP**		SeqNo: 245
FieldName: Hospital postal code		Core: Yes
Definition: Indicate the ZIP Code of the hospital. Outside the USA, this data may be known by other names such as "Postal Code".		Harvest: Yes
ParentField:	ParentValue:	
HarvestCoding:		

ShortName: **AdmitDt**		SeqNo: 250
FieldName: Admission date		Core: Yes
Definition: 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.		Harvest: Yes
ParentField:	ParentValue:	
HarvestCoding:		

ShortName: **SurgDt**		SeqNo: 260
FieldName: Date of surgery		Core: Yes
Definition: Indicate the date of surgery, which equals the date the patient enters the OR.		Harvest: Yes
ParentField:	ParentValue:	
HarvestCoding:		

ShortName: **Consent**		SeqNo: 270
FieldName: Acquired patient consent		Core: No
Definition: Has the patient given informed consent for the use of his/her data in the STS GTS Database?		Harvest: No
ParentField:	ParentValue:	
HarvestCoding: 1 = Yes 2 = No		

ShortName: **HeightCm**   SeqNo: 280

FieldName: Height in centimeters   Core: Yes

Definition: Indicate the height of the patient in centimeters.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding:

ShortName: **HeightIn**   SeqNo: 285

FieldName: Height in inches   Core: Yes

Definition: Indicate the height of the patient in inches.   Harvest: No

ParentField: ParentValue:

HarvestCoding:

ShortName: **WeightKg**   SeqNo: 290

FieldName: Weight in kilograms   Core: Yes

Definition: Indicate the weight of the patient in kilograms.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding:

ShortName: **WeightLbs**   SeqNo: 295

FieldName: Weight in pounds   Core: Yes

Definition: Indicate the weight of the patient in pounds.   Harvest: No

ParentField: ParentValue:

HarvestCoding:

ShortName: **WtLoss3Kg**   SeqNo: 300

FieldName: Weight loss in the three months   Core: Yes

Definition: Indicate by the number of kilograms lost, whether the patient has experienced any weight   Harvest: Yes
                loss in the last three months. Enter "0" if answer is "none".

ParentField: ParentValue:

HarvestCoding:

ShortName: **Category**   SeqNo: 310

FieldName: Category of disease   Core: Yes

Definition: Indicate to which disease category the patient's primary disease process belongs. Indicate the disease category if known preoperatively, if unknown preoperatively, may enter postoperatively.   Harvest: Yes

ParentField: ParentValue:

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

ShortName: **Infection**   SeqNo: 320

FieldName: Lung Infection Type   Core: Yes

Definition: Indicate the type of lung or pleural infection.   Harvest: Yes

ParentField: Category   ParentValue: = "Lung - Infection" or "Pleura Infection"

HarvestCoding: 1 = Gram-(+) bacteria
                        2 = Gram-(-) bacteria
                        3 = Fungal
                        4 = Mycobacterium Tuberculosis
                        5 = Multi-drug resistant tuberculosis
                        6 = Mycobacterium other than tuberculosis
                        7 = Culture (-)

ShortName: **TraumaOR**   SeqNo: 322

FieldName: Trauma Requiring OR Intervention   Core: Yes

Definition: Indicate whether a recent trauma resulted in a primary diagnosis that required OR intervention during this hospitalization.   Harvest: Yes

ParentField: Category   ParentValue: = "Trauma"

HarvestCoding: 1 = Yes
                        2 = No

ShortName: **TraumaTy**   SeqNo: 325

FieldName: Trauma Type   Core: Yes

Definition: Indicate the type of trauma that resulted in a primary diagnosis that required OR intervention during this hospitalization.   Harvest: Yes

ParentField: TraumaOR   ParentValue: = "Yes"

HarvestCoding: 1 = Penetrative (i.e. gun shot wound, stabbing)
                        2 = Non-penetrative (i.e. motor vehicle accident)

ShortName: **NoComorb**   SeqNo: 330

FieldName: No comorbidities   Core: Yes

Definition: Indicate if the patient has NO comorbid factors. If this value is Yes, then no other co-   Harvest: Yes
morbidities can be selected.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
2 = No

ShortName: **Hypertn**   SeqNo: 340

FieldName: Hypertension   Core: Yes

Definition: Indicate whether the patient has a diagnosis of hypertension, documented by one of the   Harvest: Yes
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.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
2 = No

ShortName: **Steroid**   SeqNo: 350

FieldName: Steroids   Core: Yes

Definition: Indicate whether the patient was taking steroids within 24 hours of surgery and does not   Harvest: Yes
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).

ParentField: ParentValue:

HarvestCoding: 1 = Yes
2 = No

ShortName: **CHF**   SeqNo: 360

FieldName: Congestive heart failure   Core: Yes

Definition: Indicate whether, within 2 weeks prior to the primary surgical procedure, a physician has   Harvest: Yes
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

ParentField: ParentValue:

HarvestCoding: 1 = Yes
2 = No

ShortName: **CAD**   SeqNo: 370

FieldName: Coronary artery disease   Core: Yes

Definition: Indicate whether the patient has a history of coronary artery disease (CAD) as evidenced   Harvest: Yes
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

ParentField: ParentValue:

HarvestCoding: 1 = Yes
2 = No

ShortName: PVD   SeqNo: 380

FieldName: Peripheral vascular disease   Core: Yes

Definition: Indicate whether the patient has Peripheral Vascular Disease, as indicated by   Harvest: Yes
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.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

ShortName: PreopChemo   SeqNo: 390

FieldName: Preoperative chemotherapy   Core: Yes

Definition: Indicate if the patient has received preoperative chemotherapy for any reason prior to this   Harvest: Yes
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.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

ShortName: PreopChemoWhen   SeqNo: 395

FieldName: Preoperative chemotherapy - When   Core: Yes

Definition: Indicate whether the prior chemotherapy treatment was: Harvest: Yes
            1 = received any time prior to this hospitalization to treat this occurance or
                any previous occurance 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.

ParentField: PreopChemo   ParentValue: = "Yes"

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

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ShortName: PreopXRT   SeqNo: 400

FieldName: Preoperative Thoracic Radiation Therapy   Core: Yes

Definition: Indicate if the patient has received preoperative radiation therapy to the chest for any   Harvest: Yes
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 radiation oncologist
gave the patient radiation therapy prior to sending the patient for any surgical evaluation,
if the intent of the radiation oncologist was to "shrink the tumor" prior to surgical
intervention.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

ShortName: **PreopXRTWhen**

FieldName: Preoperative Thoracic Radiation Therapy - When

Definition: Indicate whether the prior radiation therapy was:
        1 = received any time prior to this hospitalization to treat this occurance or
           any previous occurance 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.

ParentField: PreopXRT   ParentValue: = "Yes"

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

SeqNo: 405

Core: Yes

Harvest: Yes

ShortName: **PriorCTS**

FieldName: Prior Cardiothoracic Surgery

Definition: Indicate whether the patient has undergone any prior cardiac and/or general thoracic
surgical procedure that required a general anesthetic and an incision into the chest or
mediastinum. A thoracotomy, median sternotomy, anterior mediastinotomy or
thoracoscopy would be included here. A cervical mediastinoscopy or tube thoracostomy
would not be included.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
         2 = No

SeqNo: 410

Core: Yes

Harvest: Yes

ShortName: **WhenPrior**

FieldName: When Prior CT Surgery was Performed

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.

ParentField: ParentValue:

HarvestCoding: 1 = Prior admission
         2 = Current admission

SeqNo: 420

Core: Yes

Harvest: Yes

ShortName: **OtherComorb**

FieldName: Other comorbidity

Definition: Indicate whether the patient had one or more other co-morbidities not listed above.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
         2 = No

SeqNo: 430

Core: Yes

Harvest: Yes

ShortName: **TobNone**

FieldName: Tobacco use - None

Definition: Indicate if the patient has had No tobacco use.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
         2 = No

SeqNo: 440

Core: Yes

Harvest: Yes

ShortName: TobChew   SeqNo: 450

FieldName: Smokeless tobacco use   Core: Yes

Definition: Indicate whether the patient has a history of using smokeless tobacco.   Harvest: Yes

ParentField: TobNone   ParentValue: <> "Yes"

HarvestCoding: 1 = Yes
                 2 = No

ShortName: TobCig   SeqNo: 460

FieldName: Cigarette use   Core: Yes

Definition: Indicate whether the patient has a history of using cigarettes.   Harvest: Yes

ParentField: TobNone   ParentValue: <> "Yes"

HarvestCoding: 1 = Yes
                 2 = No

ShortName: PackYear   SeqNo: 470

FieldName: Pack-years of cigarette use   Core: Yes

Definition: Indicate the number of pack-years by multiplying the average number of packs of   Harvest: Yes
               cigarettes smoked per day by the number of years of smoking. For example if the patient
               smoked 1 ppd for 10 years and 3 ppd for the next 10 years, the average ppd would be 2
               ppd x 20 years = 40 pack-years of smoking.

ParentField: TobNone   ParentValue: <> "Yes"

HarvestCoding:

ShortName: TobPipe   SeqNo: 480

FieldName: Pipe or cigar use   Core: Yes

Definition: Indicate whether the patient has a history of using pipe or cigars.   Harvest: Yes

ParentField: TobNone   ParentValue: <> "Yes"

HarvestCoding: 1 = Yes
                 2 = No

ShortName: TobOther   SeqNo: 490

FieldName: Other tobacco use   Core: Yes

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

ParentField: TobNone   ParentValue: <> "Yes"

HarvestCoding: 1 = Yes
                 2 = No

ShortName: QuitSmoking   SeqNo: 500

FieldName: When Patient Quit Smoking   Core: Yes

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

ParentField: ParentValue:

HarvestCoding: 1 = Never smoked
                 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

ShortName:	**CerebroHx**	SeqNo: 510
FieldName:	Cerebrovascular history	Core: Yes

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.

Harvest: Yes

ParentField:　　　　　　　　　　ParentValue:

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

ShortName:	**DiabetesHx**	SeqNo: 520
FieldName:	Diabetes history	Core: No

Definition: Indicate the status (for No Diabetes) or the methods of control of diabetes in the patient regardless of duration or need for anti-diabetic agents.

Harvest: No

ParentField:　　　　　　　　　　ParentValue:

HarvestCoding:　1 = No diabetes
　　　　　　　　2 = Diet controlled
　　　　　　　　3 = Oral hypoglycemics
　　　　　　　　4 = Insulin

ShortName:	**Diabetes**	SeqNo: 522
FieldName:	Diabetes	Core: Yes

Definition: Indicate whether the patient has a history of diabetes, regardless of duration of disease or need for anti-diabetic agents. Includes on admission or preoperative diagnosis. Does not include gestational diabetes

Harvest: Yes

ParentField:　　　　　　　　　　ParentValue:

HarvestCoding:　1 = Yes
　　　　　　　　2 = No

ShortName:	**DiabCtrl**	SeqNo: 525
FieldName:	Diabetes control	Core: Yes

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)

Harvest: Yes

ParentField: Diabetes　　　　　　ParentValue:　= "Yes"

HarvestCoding:　1 = None
　　　　　　　　2 = Diet
　　　　　　　　3 = Oral
　　　　　　　　4 = Insulin

ShortName: **RenalHx**   SeqNo: 530

FieldName: Renal insufficiency history   Core: Yes

Definition: Indicate whether the patient has: Harvest: Yes
           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.

ParentField: ParentValue:

HarvestCoding: 1 = No renal insufficiency
               2 = Creatinine >= 2
               3 = Dialysis of any type

ShortName: **ClinNA**   SeqNo: 540

FieldName: Clinical stage n/a   Core: Yes

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

ParentField: ParentValue:

HarvestCoding: 1 = Yes
               2 = No

ShortName: **ClinT**   SeqNo: 550

FieldName: Clinical stage T   Core: Yes

Definition: Indicate the appropriate descriptor for tumor based on all the clinical staging   Harvest: Yes
         characteristics of the tumor. (See Apendix A for full description.)

ParentField: ClinNA   ParentValue: <> "Yes"

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

ShortName: **ClinN**   SeqNo: 560

FieldName: Clinical stage N   Core: Yes

Definition: Indicate the appropriate descriptor for nodes based on all the clinical staging   Harvest: Yes
         characteristics of the lymph nodes. (See Apendix A for full description.)

ParentField: ClinNA   ParentValue: <> "Yes"

HarvestCoding: 1 = 1
                2 = 2
                3 = 3
                4 = X
                5 = O

ShortName: **ClinM**   SeqNo: 570

FieldName: Clinical stage M   Core: Yes

Definition: Indicate the appropriate descriptor for metastases based upon all the clinical staging   Harvest: Yes
         characteristics of the metastases. (See Apendix A for full description.)

ParentField: ClinNA   ParentValue: <> "Yes"

HarvestCoding: 1 = 1
                2 = X
                3 = O

ShortName: **ClinMAB**   SeqNo: 580

FieldName: Clinical stage Ma, b   Core: Yes

Definition: Indicate for esophagus procedures only the clinical staging of Ma, b. (See Apendix A for   Harvest: Yes
full description.)

ParentField: ClinNA   ParentValue: <> "Yes"

HarvestCoding: 1 = M1a
                   2 = M1b

ShortName: **PFTNA**   SeqNo: 590

FieldName: Preop PFTs not done   Core: Yes

Definition: Indicate whether Pulmonary Function Tests (PFT's) were not done prior to this   Harvest: Yes
operation. PFT's done > 12 months prior to the primary surgical procedure should be
coded as "No".

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                   2 = No

ShortName: **FVCND**   SeqNo: 595

FieldName: FVC Test Not Done   Core: Yes

Definition: Indicate whether a Forced Vital Capacity (FVC) test was done.   Harvest: Yes

ParentField: PFTNA   ParentValue: <> "Yes"

HarvestCoding: 1 = Yes
                   2 = No

ShortName: **FVCAct**   SeqNo: 600

FieldName: FVC actual   Core: Yes

Definition: Indicate the actual FVC obtained for the patient.   Harvest: Yes

ParentField: FVCND   ParentValue: <> "Yes"

HarvestCoding:

ShortName: **FVCPred**   SeqNo: 610

FieldName: FVC predicted   Core: Yes

Definition: Indicate the % predicted FVC obtained for the patient.   Harvest: Yes

ParentField: FVCND   ParentValue: <> "Yes"

HarvestCoding:

ShortName: **FEVND**   SeqNo: 615

FieldName: FEV1 Test Not Done   Core: Yes

Definition: Indicate whether a Forced Expiratory Volume at 1 second (FEV1) test was not done.   Harvest: Yes

ParentField: PFTNA   ParentValue: <> "Yes"

HarvestCoding: 1 = Yes
                   2 = No

ShortName: **FEVAct**   SeqNo: 620

FieldName: FEV1 actual   Core: Yes

Definition: Indicate the actual FEV1 obtained for the patient.   Harvest: Yes

ParentField: FEVND   ParentValue: <> "Yes"

HarvestCoding:

ShortName: **FEVPred**   SeqNo: 630

FieldName: FEV1 predicted   Core: Yes

Definition: Indicate the % predicted actual FEV1 obtained for the patient. Harvest: Yes

ParentField: FEVND   ParentValue: <> "Yes"

HarvestCoding:

ShortName: **DLCOND**   SeqNo: 635

FieldName: DLCO Test Not Done   Core: Yes

Definition: Indicate whether a lung diffusion measured with carbon monoxide (DLCO) test was not   Harvest: Yes
              done.

ParentField: PFTNA   ParentValue: <> "Yes"

HarvestCoding: 1 = Yes
                 2 = No

ShortName: **DLCOAct**   SeqNo: 640

FieldName: DLCO actual   Core: No

Definition: Indicate the actual DLCO value obtained for the patient.   Harvest: No

ParentField: ParentValue:

HarvestCoding:

ShortName: **DLCOPred**   SeqNo: 650

FieldName: DLCO predicted   Core: Yes

Definition: Indicate the % predicted DLCO value obtained for the patient.   Harvest: Yes

ParentField: DLCOND   ParentValue: <> "Yes"

HarvestCoding:

ShortName: **ASA**   SeqNo: 660

FieldName: ASA class 1-5   Core: Yes

Definition: Indicate the patient's American Society of Anesthesiologists Risk Scale for this   Harvest: Yes
              admissions surgical procedure. This information can be found in the OR Anesthesia
              Record.

ParentField: ParentValue:

HarvestCoding: 1 = I
                 2 = II
                 3 = III
                 4 = IV
                 5 = V

ShortName: OREntryT   SeqNo: 670

FieldName: Time when patient entered Operating Room.   Core: Yes

Definition: Indicate to the nearest minute (using 24 hour clock) the time the patient enters the OR.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding:

ShortName: SIStartT   SeqNo: 680

FieldName: Time of skin opening   Core: Yes

Definition: Indicate to the nearest minute (using 24 hour clock) the time the skin incision was made. Harvest: Yes

ParentField: ParentValue:

HarvestCoding:

ShortName: SIStopT   SeqNo: 690

FieldName: Time of skin closure   Core: Yes

Definition: Indicate to the nearest minute (using 24 hour clock) the time the skin incision was   Harvest: Yes
closed. If patient leaves the OR with an open incision , collect the time the dressings
were applied to the incision.

ParentField: ParentValue:

HarvestCoding:

ShortName: ORExitT   SeqNo: 700

FieldName: Time when patient exits Operating Room.   Core: Yes

Definition: Indicate to the nearest minute (using 24 hour clock) the time the patient exits the OR.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding:

ShortName: MultiDay   SeqNo: 710

FieldName: Did operation go through midnight (24:00)   Core: Yes

Definition: Indicate whether the operation continued through midnight from one day to the next.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                2 = No

ShortName: **Status**   SeqNo: 720

FieldName: Clinical Status of the Patinet   Core: Yes

Definition: Select the status that best describes the clinical status of the patient at the time of the   Harvest: Yes
primary surgical procedure.

    1. Emergent: The surgical procedure must be performed within 24 hours of
presentation.
    2. Urgent: All of the following conditions are met:
        a. Not elective status
        b. Not emergent status.
        c. Procedure required during same hospitalization in order to minimize chance
of
        further clinical deterioration.
    3. Elective: The patient has been stable in the days or weeks prior to the operation.
The
    procedure could be deferred without increased risk of compromise to cardiac
outcome.

ParentField: ParentValue:

HarvestCoding: 1 = Emergent
          2 = Urgent
          3 = Elective

ShortName: **Reop**   SeqNo: 725

FieldName: Reoperation   Core: Yes

Definition: Indicate whether this is a general thoracic re-operation:i.e., patient has a history of a   Harvest: Yes
general thoracic surgical procedure in the same cavity or organ any time prior to this
operation.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
          2 = No

ShortName: **OrgSys**   SeqNo: 730

FieldName: Organ system   Core: Yes

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

ParentField: ParentValue:

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

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 visit.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding: 10 = Chest Wall Biopsy
20 = Rib Resection (single)
30 = First/Cervical Rib Resection
40 = Chest Wall Resection
50 = Chest Wall Reconstruction
60 = Thoracoplasty
70 = Pectus Repair
80 = Sternectomy, complete
90 = Sternectomy, partial
95 = Muscle Flap
100 = Other Chest Wall Repair
110 = Mediastinal LN Biopsy
120 = Mediastinoscopy
130 = Anterior Mediastinotom
140 = Extended Cervical Mediastinoscopy
150 = Mediastinal Lymph Node Dissection
160 = Mediastinal Lymph Node Sampling
170 = Biopsy, Mediastinal Mass
180 = Resection, Mediastinal Mass
190 = Thymectomy
200 = Sympathectomy
210 = Thoracic duct ligation
220 = Other Mediastinal/Neck procedure
230 = Flexible Bronchoscopy
240 = Rigid Bronchoscopy
250 = Removal of Foreign Body (Tracheobronchial)
260 = Endobronchial Ablation, Laser / PDT
265 = Endobronchial Ablation, Mechanical
270 = Tracheal/Bronchial Stent
280 = Tracheostomy
290 = Tracheal Repair
300 = Tracheal Stricture Resection
310 = Tracheal Tumor Resection
320 = Carinal Resection (no lung resection)
330 = Bronchotomy
340 = Bronchial Repair
350 = Bronchoplasty
370 = TE Fistula Repair
380 = Other Tracheobroncial procedure
390 = Wedge Resection, single
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 = Myotocomy, cricopharyngeal
650 = Myotomy, esophageal (long)
660 = Myotomy, cardia (short)
670 = Resection, intrathoracic diverticulum
680 = Resection, esophagus (esophagectomy)
690 = Resection, esophageal wall leasion
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

ShortName: **Primary**   SeqNo: 750

FieldName: Primary Procedure   Core: Yes

Definition: Indicate whehter this is the primary surgical procedure.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

ShortName: **ApprThcscpy**   SeqNo: 751

FieldName: Approach - Thoracoscopy   Core: Yes

Definition: Indicate whether a Thoracoscopy approach was used for the primary surgical procedure.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

ShortName: **ApprThctmy**   SeqNo: 752

FieldName: Approach - Thoracotomy   Core: Yes

Definition: Indicate whether a Thoracotomy approach was used for the primary surgical procedure.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

ShortName: **ApprThcabdml**   SeqNo: 753

FieldName: Approach - Thoracoabdominal   Core: Yes

Definition: Indicate whether a Thoracoabdominal approach was used for the primary surgical
              procedure.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

ShortName: **ApprMedStern**   SeqNo: 754

FieldName: Approach - Median Sternotomy   Core: Yes

Definition: Indicate whether a Median Sternotomy approach was used for the primary surgical
              procedure.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

ShortName: **ApprPartStern**   SeqNo: 755

FieldName: Approach - Partial Sternotomy   Core: Yes

Definition: Indicate whether a Partial Sternotomy approach was used for the primary surgical
              procedure.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

ShortName: **ApprTranStern**   SeqNo: 756

FieldName: Approach - Transverse Sternotomy   Core: Yes

Definition: Indicate whether a Transverse Sternotomy approach was used for the primary surgical
              procedure.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

ShortName: **ApprLptomy**   SeqNo: 757

FieldName: Approach - Laparotomy   Core: Yes

Definition: Indicate whether a Laparotomy approach was used for the primary surgical procedure.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                  2 = No

ShortName: **ApprLpscpy**   SeqNo: 758

FieldName: Approach - Laparoscopy   Core: Yes

Definition: Indicate whether a Laparoscopy approach was used for the primary surgical procedure.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                  2 = No

ShortName: **ApprCerv**   SeqNo: 759

FieldName: Approach - Cervical   Core: Yes

Definition: Indicate whether a Cervical approach was used for the primary surgical procedure.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                  2 = No

ShortName: **ApprSubx**   SeqNo: 760

FieldName: Approach - Subxyphoid   Core: Yes

Definition: Indicate whether a Subxyphoid approach was used for the primary surgical procedure.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                  2 = No

ShortName: **ApprOther**   SeqNo: 761

FieldName: Approach - Other Approach   Core: Yes

Definition: Indicate whether any other approach was used for the primary surgical procedure.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                  2 = No

ShortName:	**Approach**	SeqNo:	764
FieldName:	Approach	Core:	No
Definition:	Indicate the approaches used for the associated procedure.	Harvest:	No
ParentField:	ParentValue:		

HarvestCoding:
1 = Right Side
2 = Left Side
3 = Bilateral
4 = Thoracoscopy
5 = Thoracotomy
6 = Thoracoabdominal
7 = Median Sternotomy
8 = Partial Sternotomy
9 = Transverse Sternotomy
10 = Laparotomy
11 = Laparoscopy
12 = Transhiatal
13 = Transcervical
777 = Other Approach

ShortName:	**Laterality**	SeqNo:	765
FieldName:	Laterality	Core:	Yes
Definition:	Indicate the laterality of the primary surgical procedure.	Harvest:	Yes
ParentField:	ParentValue:		

HarvestCoding: 1 = Right
2 = Left
3 = Both

ShortName:	**NoPostop**	SeqNo:	770
FieldName:	No postop events occurred	Core:	Yes
Definition:	Indicate whether the patient did not experience any postoperative events.	Harvest:	Yes
ParentField:	ParentValue:		

HarvestCoding: 1 = Yes
2 = No

ShortName:	**AirLeakAny**	SeqNo:	780
FieldName:	Air leak of any duration postop	Core:	No
Definition:	Indicate if the patient experienced an air leak of any duration post op.	Harvest:	No
ParentField:	ParentValue:		

HarvestCoding: 1 = Yes
2 = No

ShortName:	**AirLeak5**	SeqNo:	790
FieldName:	Air leak with a duration of more than five days postop	Core:	Yes
Definition:	Indicate whether the patient experienced an air leak for more than five days post-operative.	Harvest:	Yes
ParentField:	ParentValue:		

HarvestCoding: 1 = Yes
2 = No

ShortName:	**AirStartDate**		SeqNo:	800
FieldName:	Date of start of air leak		Core:	No
Definition:	Indicate the date the air leak started.		Harvest:	No
ParentField:	AirLeakAny	ParentValue: = "Yes"		
HarvestCoding:				

ShortName:	**AirStartTime**		SeqNo:	810
FieldName:	Time of start of air leak		Core:	No
Definition:	Indicate the time when the air leak started.		Harvest:	No
ParentField:	AirLeakAny	ParentValue: = "Yes"		
HarvestCoding:				

ShortName:	**AirStopDate**		SeqNo:	820
FieldName:	Date of air leak stop		Core:	No
Definition:	Indicate the date the air leak stopped.		Harvest:	No
ParentField:	AirLeakAny	ParentValue: = "Yes"		
HarvestCoding:				

ShortName:	**AirStopTime**		SeqNo:	830
FieldName:	Time of air leak stop		Core:	No
Definition:	Indicate the time when the air leak stopped.		Harvest:	No
ParentField:	AirLeakAny	ParentValue: = "Yes"		
HarvestCoding:				

ShortName:	**AirLeakMeasures**		SeqNo:	840
FieldName:	What measure was taken to control air leak?		Core:	No
Definition:	Indicate what, if any, measures taken to control air leak.		Harvest:	No
ParentField:	AirLeakAny	ParentValue: = "Yes"		
HarvestCoding:	10 = No Air Leak Control Measures 20 = Additional Sutures 30 = Stapling 40 = Fibrin Glue 50 = Pericardial Strips 60 = FocalSeal-L Lung Sealant 70 = Muscle Flap Transposition 777 = Other Air Leak Control Measures			

ShortName:	**Atelectasis**		SeqNo:	850
FieldName:	Atelectasis requiring bronchoscopy		Core:	Yes
Definition:	Indicate whether the patient experienced atelectasis requiring a bronchoscopy in the post-operative period.		Harvest:	Yes
ParentField:		ParentValue:		
HarvestCoding:	1 = Yes 2 = No			

ShortName: **Pneumonia**   SeqNo: 860

FieldName: Patient experienced pneumonia postoperatively.   Core: Yes

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

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                   2 = No

ShortName: **ARDS**   SeqNo: 870

FieldName: Patient has evidence of Adult Respiratory Distress Syndrome.   Core: Yes

Definition: Indicate whether the patient has evidence of ARDS (Adult respiratory distress   Harvest: Yes
             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

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                   2 = No

ShortName: **Bronchopleural**   SeqNo: 880

FieldName: Bronchopleural fistula   Core: Yes

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

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                   2 = No

ShortName: **PE**   SeqNo: 890

FieldName: Pulmonary embolus   Core: Yes

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

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                   2 = No

ShortName: **Vent**   SeqNo: 900

FieldName: Initial vent support >48 hours   Core: Yes

Definition: Indicate if the patient initially was ventilated greater than 48 hours in the post-operative   Harvest: Yes
             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.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                   2 = No

ShortName: **Reintube**

FieldName: Reintubate

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 OR and require intubation in the postoperative period.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                          2 = No

SeqNo: 910

Core: Yes

Harvest: Yes

ShortName: **Trach**

FieldName: Tracheostomy

Definition: Indicate whether the patient required a tracheostomy in the post-operative period.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                          2 = No

SeqNo: 920

Core: Yes

Harvest: Yes

ShortName: **OtherPul**

FieldName: Other pulmonary event

Definition: Indicate whether another pulmonary event occurred in the post-operative period.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                          2 = No

SeqNo: 930

Core: Yes

Harvest: Yes

ShortName: **AtrialArryth**

FieldName: Atrial arrhythmia requiring treatment

Definition: Indicate whether the patient, in the post-operative period, experienced atrial fibrillation and/or atrial flutter that has been clinically documented or treated with any of the following treatment modalities:
        1. ablation therapy
        2. permanent pacemaker
        3. pharmachological treatment
        4. electrocardioversion

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                          2 = No

SeqNo: 940

Core: Yes

Harvest: Yes

ShortName: **VentArryth**

FieldName: Ventricular arrhythmia requiring treatment

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. pharmachologic treatment
        5. electrocardioversion

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                          2 = No

SeqNo: 950

Core: Yes

Harvest: Yes

ShortName: **MI**   SeqNo: 960

FieldName: Myocardial infarct   Core: Yes

Definition: Indicate if the patient experienced a MI postoperatively as evidenced by: Harvest: Yes

1. transmural infarction: Defined by the appearance of a new Q wave in two or more
contiguous leads on ECG, or
2. subendocardial infarction: (nonQwave) Infarction, which is considered present in a
patient having clinical, angiographic, electrocardiographic, and/or
3. laboratory isoenzyme evidence of myocardial necrosis with an ECG showing no new Q
waves

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

ShortName: **DVT**   SeqNo: 970

FieldName: DVT requiring treatment   Core: Yes

Definition: Indicate whether the patient has experienced a deep venous thrombosis confirmed by   Harvest: Yes
             doppler study, contrast study, or other study in the post-operative period.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

ShortName: **OtherCV**   SeqNo: 980

FieldName: Other cardiovascular event   Core: Yes

Definition: Indicate whether any other CV event occurred including distal arterial embolism in the   Harvest: Yes
             post-operative period.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

ShortName: **GastricOutlet**   SeqNo: 990

FieldName: Gastric outlet obstruction   Core: Yes

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

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

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   Harvest: Yes
             defined by limited GI motility requiring treatment e.g. nasogastric tube insertion for
             decompression, etc., in the post-operative period.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

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   Harvest: Yes
              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".

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                  2 = No

ShortName: **AnastoSurg**   SeqNo: 1020

FieldName: Anastomosis requiring surgical treatment   Core: Yes

Definition: Indicate whether the patient in the post-operative period experienced an esophageal   Harvest: Yes
              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.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                  2 = No

ShortName: **DilationEsoph**   SeqNo: 1030

FieldName: Dilation of the esophagus prior to discharge   Core: Yes

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

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                  2 = No

ShortName: **OtherGI**   SeqNo: 1040

FieldName: Any other GI event occurred.   Core: Yes

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

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                  2 = No

ShortName: **BleedOperate**   SeqNo: 1050

FieldName: Bleeding requiring reoperation   Core: Yes

Definition: Indicate whether an operative reintervention was required for bleeding.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                  2 = No

ShortName:	**Transfusion**	SeqNo: 1060
FieldName:	Blood transfusion intraop or postop	Core: No
Definition:	Indicate if the patient required a blood transfusion in the intraoperative or postoperative period. A blood transfusion is considered a transfusion of any component of blood e.g. packed red blood cells, fresh frozen plasma, cryoprecipitate, or platelets.	Harvest: No
ParentField:	ParentValue:	
HarvestCoding:	1 = Yes 2 = No	

ShortName:	**TransIntraop**	SeqNo: 1066
FieldName:	Blood transfusion - Intraop	Core: Yes
Definition:	Indicate whether the patient received a blood transfusion intraoperatively. Intraop is defined as any blood started inside of the OR.	Harvest: Yes
ParentField:	ParentValue:	
HarvestCoding:	1 = Yes 2 = No	

ShortName:	**TransPostop**	SeqNo: 1067
FieldName:	Blood transfusion - Postop	Core: Yes
Definition:	Indicate whether the patient received a blood transfusion postoperatively. Postop is defined as any blood started after the initial surgery, including blood transfused after the initial surgery and any blood transfused during a reoperative surgery.	Harvest: Yes
ParentField:	ParentValue:	
HarvestCoding:	1 = Yes 2 = No	

ShortName:	**OtherHema**	SeqNo: 1070
FieldName:	Other hematology or bleeding event requiring treatment	Core: Yes
Definition:	Indicate if any other hematology/bleeding event requiring treatment occurred in the post-operative period such as Heparin Induced Thrombocytopenia.	Harvest: Yes
ParentField:	ParentValue:	
HarvestCoding:	1 = Yes 2 = No	

ShortName:	**UTI**	SeqNo: 1080
FieldName:	Urinary tract infection	Core: Yes
Definition:	Indicate if the patient experienced a urinary tract infection (with Positive Urine Cultures postoperatively) requiring treatment.	Harvest: Yes
ParentField:	ParentValue:	
HarvestCoding:	1 = Yes 2 = No	

ShortName:	**Empyema**	SeqNo: 1090
FieldName:	Patient experienced empyema requiring treatment.	Core: Yes
Definition:	Indicate whether the patient experienced an empyema requiring treatment in the post-operative period, i.e., chest tube drainage by interventional radiology, etc.	Harvest: Yes
ParentField:	ParentValue:	
HarvestCoding:	1 = Yes 2 = No	

ShortName: **WoundInfect**   SeqNo: 1100

FieldName: Wound infection   Core: Yes

Definition: Indicate whether the patient experienced a wound infection in the post-operative period   Harvest: Yes
             as evidenced by meeting two of the following criteria:
                 1. Wound opened with excision of tissue (I&D)
                 2. Positive culture
                 3. Treatment with antibiotics

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

ShortName: **Sepsis**   SeqNo: 1110

FieldName: Patient experienced sepsis (septicemia).   Core: Yes

Definition: Indicate whether the patient experienced septicemia requiring positive blood cultures in   Harvest: Yes
             the post-operative period.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

ShortName: **OtherInfect**   SeqNo: 1120

FieldName: Other infection requiring treatment   Core: No

Definition: Indicate if any other infection requiring treatment occurred.   Harvest: No

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

ShortName: **CentNeuroEvt**   SeqNo: 1130

FieldName: New central neurological event   Core: Yes

Definition: Indicate whether the patient experienced any of the following neurological events in the   Harvest: Yes
             post-operative period that was not present pre-operatively:
                 1. A central neurologic deficit persisting postoperatively for > 72 hours.
                 2. A postoperatively transient neurologic deficit (TIA recovery within 24 hours;
                    RIND recovery within 72 hours).
                 3. New postoperative coma that persists for at least 24 hours secondary to
                    anoxic/ischemic and/or metabolic encephalopathy, thromboembolic event or cerebral
             bleed.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

ShortName: **RecLarynParesis**   SeqNo: 1140

FieldName: Recurrent laryngeal nerve paresis   Core: Yes

Definition: Indicate whether the patient experienced in the postoperative period a recurrent laryngeal   Harvest: Yes
             nerve paresis or paralysis that was not identified during the pre-operative evaluation.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
                 2 = No

ShortName: **OtherNeuro**	SeqNo: 1150
FieldName: Other neurological event	Core: Yes
Definition: Indicate whether the patient experienced any other neurologic event in the post-operative period.	Harvest: Yes
ParentField: ParentValue:	
HarvestCoding: 1 = Yes
2 = No	

ShortName: **NewRenalFail**	SeqNo: 1160
FieldName: New renal failure	Core: Yes
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	Harvest: Yes
ParentField: ParentValue:	
HarvestCoding: 1 = Yes
2 = No	

ShortName: **ChyloMed**	SeqNo: 1170
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.	Harvest: Yes
ParentField: ParentValue:	
HarvestCoding: 1 = Yes
2 = No	

ShortName: **ChyloSurg**	SeqNo: 1180
FieldName: Chylothorax requiring surgical intervention	Core: Yes
Definition: Indicate whether the patient experienced a chylothoraxin the post-operative period requiring surgical intervention, i.e., thoracotomy, laparotomy, thoracoscopy, etc.	Harvest: Yes
ParentField: ParentValue:	
HarvestCoding: 1 = Yes
2 = No	

ShortName: **Delirium**	SeqNo: 1190
FieldName: Delirium tremens	Core: Yes
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.	Harvest: Yes
ParentField: ParentValue:	
HarvestCoding: 1 = Yes
2 = No	

ShortName: **OtherMed**   SeqNo: 1200

FieldName: Other events requiring medical treatment   Core: Yes

Definition: Indicate whether the patient experienced any other medical events in the post-operative   Harvest: Yes
period requiring medical treatment, including endoscopy.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
2 = No

ShortName: **OtherSurg**   SeqNo: 1210

FieldName: Other events requiring OR with general anesthesia   Core: Yes

Definition: Indicate whether the patient experienced any other surgical events in the post-operative   Harvest: Yes
period requiring a procedure with general anesthesia.

ParentField: ParentValue:

HarvestCoding: 1 = Yes
2 = No

ShortName: **DischDt**   SeqNo: 1220

FieldName: Discharge date   Core: Yes

Definition: Indicate the date the patient was discharged from the hospital (acute care). If the patient   Harvest: Yes
expired in the hospital, the discharge date is the date of death.

ParentField: ParentValue:

HarvestCoding:

ShortName: **MtDCStat**   SeqNo: 1230

FieldName: Discharge status - alive or dead   Core: Yes

Definition: Indicate whether the patient was alive or dead at discharge from the hospitalization in   Harvest: Yes
which the primary surgery procedure occurred.

ParentField: ParentValue:

HarvestCoding: 1 = Alive
2 = Dead

ShortName: **MtDate**   SeqNo: 1240

FieldName: Date of death if death occurs after discharge   Core: Yes

Definition: Indicate the date the patient was diagnosed clinically dead.   Harvest: Yes

ParentField: ParentValue:

HarvestCoding:

ShortName: **Mt30Stat**   SeqNo: 1250

FieldName: Status 30 days after surgery - alive or dead   Core: Yes

Definition: Indicate whether the patient was alive or dead at 30 days post surgery (whether in the   Harvest: Yes
hospital or not).

ParentField: MtDCStat   ParentValue: = "Alive"

HarvestCoding: 1 = Alive
2 = Dead

ShortName:	**CTubeInDate**	SeqNo: 1260
FieldName:	Date chest tube was inserted	Core: No
Definition:	Indicate the date the chest tube was inserted.	Harvest: No
ParentField:	ParentValue:	
HarvestCoding:		

ShortName:	**CTubeInTime**	SeqNo: 1270
FieldName:	Time chest tube was inserted	Core: No
Definition:	Indicate the time when the chest tube was inserted.	Harvest: No
ParentField:	ParentValue:	
HarvestCoding:		

ShortName:	**CTubeDis**	SeqNo: 1275
FieldName:	Patient Discharged with Chest Tube	Core: Yes
Definition:	Indicate whether the patient was discharged with a chest tube.	Harvest: Yes
ParentField:	ParentValue:	
HarvestCoding:	1 = Yes 2 = No	

ShortName:	**CTubeOutDate**	SeqNo: 1280
FieldName:	Date chest tube was removed	Core: Yes
Definition:	Indicate the date the last chest tube was removed prior to discharge.	Harvest: Yes
ParentField: CTubeDis	ParentValue: = "No"	
HarvestCoding:		

ShortName:	**CTubeOutTime**	SeqNo: 1290
FieldName:	Time chest tube was removed	Core: No
Definition:	Indicate the time when the chest tube was removed.	Harvest: No
ParentField:	ParentValue:	
HarvestCoding:		

ShortName:	**PathNA**	SeqNo: 1300
FieldName:	Pathological stage n/a	Core: Yes
Definition:	Indicate if path staging is not applicable. For benign disease or pulmonary metastases of any type, pathological staging is not applicable.	Harvest: Yes
ParentField:	ParentValue:	
HarvestCoding:	1 = Yes 2 = No	

ShortName: PathT   SeqNo: 1310

FieldName: Pathological stage T   Core: Yes

Definition: Indicate the appropriate descriptor for tumor based on the pathological staging   Harvest: Yes
              characteristics of the tumor. (See Apendix A for full description.)

ParentField: PathNA   ParentValue: <> "Yes"

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

ShortName: PathN   SeqNo: 1320

FieldName: Pathological stage N   Core: Yes

Definition: Indicate the appropriate descriptor for nodes based on the pathological staging   Harvest: Yes
              characteristics of the lymph nodes. (See Apendix A for full description.)

ParentField: PathNA   ParentValue: <> "Yes"

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

ShortName: PathM   SeqNo: 1330

FieldName: Pathological stage M   Core: Yes

Definition: Indicate the appropriate descriptor for metastasis based on the pathological staging   Harvest: Yes
              characteristics of the metastasis(es). (See Apendix A for full description.)

ParentField: PathNA   ParentValue: <> "Yes"

HarvestCoding: 1 = 1
                  2 = X
                  3 = O

ShortName: PathMAB   SeqNo: 1340

FieldName: Pathological stage Ma, b   Core: Yes

Definition: For esophageal carcinoma patients only. Please indicate the appropriate Metastasis   Harvest: Yes
              descriptor based on the pathological staging of the metastasis(es). (See Apendix A for
              full description.)

ParentField: PathNA   ParentValue: <> "Yes"

HarvestCoding: 1 = M1a
                  2 = M1b

ShortName: DataEntry   SeqNo: 1350

FieldName: Who entered the data   Core: No

Definition: Identifier of person who entered the data.   Harvest: No

ParentField: ParentValue:

HarvestCoding:

ShortName: **Notes**   SeqNo: 1360

FieldName: General Notes   Core: No

Definition: General notes, up to 255 characters.   Harvest: No

ParentField: ParentValue:

HarvestCoding:

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 >= 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 (on 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

[1] Bernard GR, Artigas A, Brigham KL, et al. Report of the American-European Consensus Conference on Acute Respiratory Distress Syndrome: Definitions, Mechanisms, Relevant Outcomes, and Clinical Trial Coordination. Consensus Committee. *Amer. J. Respir. Crit. Care Med.* (1994) 149:818-824