

ShortName: VendorID SeqNo: 10
FieldName: Core: Yes
Description: Software vendor's identification assigned by the STS. Harvest: Yes
Definition: Software vendor's identification assigned by the STS.
Format: Text length 8
DataSource: Automatic
Default:
ValidData: Assigned value, automatically inserted by software
UsualRange:
HarvestCoding:
ParentField:
ParentValue:
MissingData: Illegal

Notes:

ShortName: SoftVrsn SeqNo: 20
FieldName: Core: Yes
Description: Vendor's software version number in use when record was created Harvest: Yes
Definition: Vendor's software version number in use when record was created. Value determined by vendor.
Format: Text length 20
DataSource: Automatic
Default:
ValidData: Assigned value, automatically inserted by software
UsualRange:
HarvestCoding:
ParentField:
ParentValue:
MissingData: Illegal

Notes:

ShortName: DataVrsn SeqNo: 30
FieldName: Core: Yes
Description: Version of STS Data Specification under which record was created Harvest: Yes
Definition: Version of the STS Data Specifications under which record was created.
Format: Text length 8
DataSource: Automatic
Default:
ValidData: Assigned value, automatically inserted by software
UsualRange:
HarvestCoding:
ParentField:
ParentValue:

MissingData: Illegal

Notes:

ShortName: ParticID

SeqNo: 40

FieldName:

Core: Yes

Description: Participant ID

Harvest: Yes

Definition: Indicate the 5 digit participant ID number assigned by the STS.

Format: Text length 5

DataSource: Automatic or User

Default:

ValidData: Value assigned by the STS

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData: Illegal

Notes:

ShortName: RecordID

SeqNo: 50

FieldName:

Core: Yes

Description: An arbitrary number that uniquely identifies this record in the database.

Harvest: Yes

Definition: An arbitrary number that uniquely identifies this record in the database. This field is the primary key that links this record with the associated records in the "ProcSubform" 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 record, it can never be changed or reused.

Format: Integer

DataSource: Automatic

Default:

ValidData: Assigned value, automatically inserted by software

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData: Illegal

Notes:

ShortName: PatID

SeqNo: 60

FieldName:

Core: Yes

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

Harvest: Yes

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

Format: Integer

DataSource: Automatic

Default:

ValidData: Assigned value, automatically inserted by software

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData: Illegal

Notes:

ShortName: RecComp

SeqNo: 70

FieldName:

Core: Yes

Description: Is the record complete?

Harvest: No

Definition: Do all key fields contain valid values?

Format: Text (categorical values specified by STS)

DataSource: Calculated

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: Age

SeqNo: 80

FieldName:

Core: Yes

Description: Age at time of surgery

Harvest: Yes

Definition: Patient 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).

Format: Integer

DataSource: Automatic or User

Default:

ValidData: 1 - 110

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: Zubrod

SeqNo: 90

FieldName:

Core: Yes

Description: Patient's Zubrod score

Harvest: Yes

Definition: The Zubrod performance scale should be marked to indicate the level of the patient's

performance. The Zubrod performance scale is a measure of the patients function.
Select the one description that best fits the patient.

Format: Text (categorical values specified by STS)

DataSource: Automatic or User

Default:

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

UsualRange:

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

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: UPIN

SeqNo: 100

FieldName:

Core: Yes

Description: Surgeon's UPIN number

Harvest: Yes

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

Format: Text length 9 (categorical values specified by User)

DataSource: Automatic or User

Default:

ValidData:

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: Surgeon

SeqNo: 110

FieldName:

Core: Yes

Description: Surgeon's name

Harvest: No

Definition: Surgeon's name

Format: Text (categorical values specified by user)

DataSource: User

Default:

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.

UsualRange:

HarvestCoding:

ParentField:
 ParentValue:
 MissingData:

Notes:

ShortName: HospCode SeqNo: 120
 FieldName: Core: Yes
 Description: Hospital code = AHA number Harvest: Yes
 Definition: 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.
 Format: Text length 30 (categorical values specified by user)
 DataSource: User
 Default:
 ValidData:
 UsualRange:
 HarvestCoding:
 ParentField:
 ParentValue:
 MissingData:

Notes:

ShortName: HospName SeqNo: 130
 FieldName: Core: Yes
 Description: Hospital Name Harvest: No
 Definition: The full name of the facility where the procedure was performed.
 Format: Text (categorical values specified by user) length must be sufficient to hold full hospital name
 DataSource: User
 Default:
 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.
 UsualRange:
 HarvestCoding:
 ParentField:
 ParentValue:
 MissingData:

Notes:

ShortName: AdmitDt SeqNo: 140
 FieldName: Core: Yes
 Description: Admission date Harvest: Yes
 Definition: Date the patient is admitted to the hospital.
 Format: Date in mm/dd/yyyy format

DataSource: User
 Default:
 ValidData: Date value in mm/dd/yyyy format
 UsualRange:
 HarvestCoding:
 ParentField:
 ParentValue:
 MissingData:

Notes: Value must be >= DOB and <= SurgDt

ShortName: SurgDt SeqNo: 150
 FieldName: Core: Yes
 Description: Date of surgery Harvest: Yes
 Definition: Indicate the date of the procedure.
 Format: Date in mm/dd/yyyy format
 DataSource: User
 Default:
 ValidData: Date value in mm/dd/yyyy format
 UsualRange:
 HarvestCoding:
 ParentField:
 ParentValue:
 MissingData:

Notes: Value must be >=AdmitDt and <= DischDt

ShortName: Consent SeqNo: 160
 FieldName: Core: Yes
 Description: Acquired patient consent to include data in database Harvest: Yes
 Definition: Has the patient given informed consent for the use of his/her data in the STS GTS Database?
 Format: Text (categorical values specified by STS)
 DataSource: User
 Default:
 ValidData: Yes; No
 UsualRange:
 HarvestCoding: 1 = Yes; 2 = No
 ParentField:
 ParentValue:
 MissingData:

Notes:

ShortName: HeightCm SeqNo: 170
 FieldName: Core: Yes

Description: Height in centimeters Harvest: Yes
Definition: Indicate the height of the patient in centimeters.
Format: Real number 3.1 digits e.g. 999.9
DataSource: User
Default:
ValidData: 10 - 250
UsualRange:
HarvestCoding:
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: WeightKg SeqNo: 180
FieldName: Core: Yes
Description: Weight in kilograms Harvest: Yes
Definition: Indicate the weight of the patient in kilograms.
Format: Real number 3.1 digits e.g. 999.9
DataSource: User
Default:
ValidData: 1 - 250
UsualRange:
HarvestCoding:
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: WtLoss3Kg SeqNo: 190
FieldName: Core: Yes
Description: Weight loss in the three months leading up to the admission Harvest: Yes
Definition: Enter any weight loss from baseline, in kilograms. Enter "0" if none.
Format: Real number 3.1 digits e.g. 999.9
DataSource: User
Default:
ValidData: 0 - 250
UsualRange:
HarvestCoding:
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: Category SeqNo: 200
 FieldName: Core: Yes
 Description: Category of disease Harvest: Yes
 Definition: Indicate the Category of the primary disease.
 Format: Text (categorical values specified by STS)
 DataSource: User
 Default:
 ValidData: Lung - Primary; Lung - Benign; Lung - Infection; Mediastinum; Metastases - Lung;
 Metastases - Other; Pleura -- Neoplastic; Pleura -- Infection; Pleura --
 Other; Esophagus - Primary; Esophagus - Benign; Primary Chest Wall; Other
 UsualRange:
 HarvestCoding: 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
 777 = Other
 ParentField:
 ParentValue:
 MissingData:

Notes:

ShortName: Infection SeqNo: 210
 FieldName: Core: Yes
 Description: If Category of Disease is either a lung or pleural infection, this is where you'd check the Harvest: Yes
 type of infection
 Definition: Indicate the type of lung or pleural infection.
 Format: Text (categorical values specified by STS)
 DataSource: User
 Default:
 ValidData: Gram-(+) bacteria; Gram-(-) bacteria; Fungal; Mycobacterium Tuberculosis; Multi-drug
 resistant tuberculosis; Mycobacterium other than tuberculosis
 UsualRange:
 HarvestCoding: 1 = Gram-(+) bacteria
 2 = Gram-(-) bacteria
 3 = Fungal
 4 = Mycobacterium Tuberculosis
 5 = Multi-drug resistant tuberculosis
 6 = Mycobacterium other than tuberculosis
 ParentField: Category
 ParentValue: Lung - Infection or Pleura Infection
 MissingData:

Notes:**ShortName: NoComorb**

SeqNo: 220

FieldName: Core: Yes
Description: No comorbidities Harvest: Yes
Definition: Indicate if the patient has NO comorbid factors. If this value is Yes, then no other comorbidities can be selected.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:
HarvestCoding: 1 = Yes; 2 = No
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: Hypertn SeqNo: 230
FieldName: Core: Yes
Description: Hypertension Harvest: Yes
Definition: Indicate if the blood pressure is exceeding 140/90 mm Hg or a history of high blood pressure, or the need for anti-hypertensive medications.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:
HarvestCoding: 1 = Yes; 2 = No
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: Steroid SeqNo: 240
FieldName: Core: Yes
Description: Steroids Harvest: Yes
Definition: Indicate if the patient is currently on a regular regimen of steroids, this does not include a dose of steroids given on a "one time" basis.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:
HarvestCoding: 1 = Yes; 2 = No
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: CHF SeqNo: 250
FieldName: Core: Yes
Description: Congestive heart failure Harvest: Yes
Definition: Congestive Heart Failure. Any three of the following: Presence of dyspnea, peripheral edema, CXR compatible with interstitial edema, rales thought to represent pulmonary congestion or cardiomegaly on CXR
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:
HarvestCoding: 1 = Yes; 2 = No
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: CAD SeqNo: 260
FieldName: Core: Yes
Description: Coronary artery disease Harvest: Yes
Definition: Indicate if there is a presence of coronary artery disease (CAD) with vessels diseased greater than 50 %. Previous CV intervention (i.e., CABG or PTCA) or other treatment for CAD would also be considered CAD.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:
HarvestCoding: 1 = Yes; 2 = No
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: PVD SeqNo: 270
FieldName: Core: Yes
Description: Peripheral vascular disease Harvest: Yes
Definition: Indicate the presence of previously documented peripheral vascular disease or previous peripheral vascular intervention.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: PreopChemo

SeqNo: 280

FieldName:

Core: Yes

Description: Preoperative chemotherapy

Harvest: Yes

Definition: Indicate if the patient has received preoperative chemotherapy (as a planned component of a chemotherapy-surgery strategy) prior to the 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.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: PreopXRT

SeqNo: 290

FieldName:

Core: Yes

Description: Preoperative X-ray therapy

Harvest: Yes

Definition: Indicate if the patient has received preoperative radiation therapy (as a planned component of a radiation therapy – surgery strategy) prior to the 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.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: PriorCTS SeqNo: 300
FieldName: Core: Yes
Description: Prior thoracic surgery Harvest: Yes
Definition: Indicate if patient has undergone any prior 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.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:
HarvestCoding: 1 = Yes; 2 = No
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: WhenPrior SeqNo: 310
FieldName: Core: Yes
Description: When was the ct surgery done, current admission or prior admission Harvest: Yes
Definition: Indicate when was the prior thoracic surgery done.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Prior admission; Current admission
UsualRange:
HarvestCoding: 1 = Prior admission; 2 = Current admission
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: OtherComorb SeqNo: 320
FieldName: Core: Yes
Description: Other comorbidity Harvest: Yes
Definition: Indicate whether the patient had one or more other co-morbidities not listed above.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:
HarvestCoding: 1 = Yes; 2 = No
ParentField:

ParentValue:

MissingData:

Notes:

ShortName: TobNone

SeqNo: 330

FieldName:

Core: Yes

Description: Tobacco use - None

Harvest: Yes

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

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: TobChew

SeqNo: 340

FieldName:

Core: Yes

Description: Smokeless tobacco use

Harvest: Yes

Definition: Indicate if the patient has used smokeless tobacco.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: TobCig

SeqNo: 350

FieldName:

Core: Yes

Description: Cigarette use

Harvest: Yes

Definition: Indicate if the patient has used cigarettes.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: PackYear

SeqNo: 360

FieldName:

Core: Yes

Description: Pack-years of cigarette use

Harvest: Yes

Definition: If the patient has had cigarettes, determine the pack-years by multiplying the average number of packs of 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.

Format: Integer

DataSource: User

Default:

ValidData: 1 - 210

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: TobPipe

SeqNo: 370

FieldName:

Core: Yes

Description: Pipe or cigar use

Harvest: Yes

Definition: Indicate if the patient has used a pipe or cigar.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: TobOther

SeqNo: 380

FieldName:

Core: Yes

Description: Other tobacco use

Harvest: Yes

Definition: Indicate any other use of tobacco or tobacco-related products.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: QuitSmoking

SeqNo: 390

FieldName:

Core: Yes

Description: Time prior to operation when patient quit smoking

Harvest: Yes

Definition: Indicate whether a patient has never smoked or how many days prior to the operation the patient quit smoking. Chose "0-14 days pre-op" if the patient is a current smoker.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Never smoked; 0-14 days pre-op; >14 days and <=1 month pre-op; >1 month and <=12 months pre-op; >12 months pre-op

UsualRange:

HarvestCoding: 1 = Never smoked
2 = 0-14 days pre-op
3 = >14 days and <=1 month pre-op
4 = >1 month and <=12 months pre-op
5 = >12 months pre-op

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: CerebroHx

SeqNo: 400

FieldName:

Core: Yes

Description: Cerebrovascular history

Harvest: Yes

Definition: Indicate if the patient has a history of cerebrovascular disease to include any reversible or irreversible event, e.g. any TIA, RIND, CVA, or history of cerebrovascular surgery. (TIA: Transient Ischemic Attack, RIND: Reversible Ischemic Neurologic Deficit, CVA Cerebrovascular Accident/Stroke)

Format: Text (categorical values specified by STS)

DataSource: User

Default:

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

UsualRange:

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

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: DiabetesHx SeqNo: 410
FieldName: Core: Yes
Description: Diabetes history Harvest: Yes
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.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: No diabetes; Diet controlled; Oral hypoglycemics; Insulin
UsualRange:
HarvestCoding: 1 = No diabetes
2 = Diet controlled
3 = Oral hypoglycemics
4 = Insulin
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: RenalHx SeqNo: 420
FieldName: Core: Yes
Description: Renal insufficiency history Harvest: Yes
Definition: Indicate the degree of renal insufficiency documented prior to operation.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: No renal insufficiency; Creatinine ≥ 2 ; Dialysis of any type
UsualRange:
HarvestCoding: 1 = No renal insufficiency
2 = Creatinine ≥ 2
3 = Dialysis of any type
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: ClinNA SeqNo: 430
FieldName: Core: Yes
Description: Clinical stage n/a Harvest: Yes
Definition: Indicate if clinical staging is not applicable. For benign disease, or pulmonary metastases of any type, pathological staging is not applicable.
Format: Text (categorical values specified by STS)
DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: ClinT

SeqNo: 440

FieldName:

Core: Yes

Description: Clinical stage T

Harvest: Yes

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

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: X; O; S; 1; 2; 3; 4

UsualRange:

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

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: ClinN

SeqNo: 450

FieldName:

Core: Yes

Description: Clinical stage N

Harvest: Yes

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

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: X; O; 1; 2; 3

UsualRange:

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

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: ClinM SeqNo: 460
FieldName: Core: Yes
Description: Clinical stage M Harvest: Yes
Definition: Indicate the appropriate descriptor for metastases based upon all the clinical staging characteristics of the metastases. (See Appendix A for full description.)
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: X; O; 1
UsualRange:
HarvestCoding: 1 = 1
2 = X
3 = O
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: ClinMAB SeqNo: 470
FieldName: Core: Yes
Description: Clinical stage Ma, b Harvest: Yes
Definition: Indicate for esophagus procedures only the clinical staging of Ma, b. (See Appendix A for full description.)
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: A; B
UsualRange:
HarvestCoding: 1 = A
2 = B
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: PFTNA SeqNo: 480
FieldName: Core: Yes
Description: Preop PFTs not done Harvest: Yes
Definition: Indicate if Pulmonary Function Tests (PFT's) were not done prior to the operation
Format: Text (categorical values specified by STS)
DataSource: User
Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: FVCAct

SeqNo: 490

FieldName:

Core: Yes

Description: FVC actual

Harvest: Yes

Definition: Indicate the actual FVC obtained for the patient.

Format: Integer

DataSource: User

Default:

ValidData: 0 - 100

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: FVCPred

SeqNo: 500

FieldName:

Core: Yes

Description: FVC predicted

Harvest: Yes

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

Format: Integer

DataSource: User

Default:

ValidData: 0 - 100

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: FEVAct

SeqNo: 510

FieldName:

Core: Yes

Description: FEV actual

Harvest: Yes

Definition: Indicate the actual FEV1 obtained for the patient.

Format: Integer

DataSource: User
Default:
ValidData: 0 - 100
UsualRange:
HarvestCoding:
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: FEVPred

SeqNo: 520

FieldName:

Core: Yes

Description: FEV predicted

Harvest: Yes

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

Format: Integer

DataSource: User

Default:

ValidData: 0 - 100

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: DLCOAct

SeqNo: 530

FieldName:

Core: Yes

Description: DLCO actual

Harvest: Yes

Definition: Indicate the actual DLCO value obtained for the patient.

Format: Integer

DataSource: User

Default:

ValidData: 0 - 100

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: DLCOPred

SeqNo: 540

FieldName:

Core: Yes

Description: DLCO predicted

Harvest: Yes

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

Format: Integer

DataSource: User

Default:

ValidData: 0 - 100

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: ASA

SeqNo: 550

FieldName:

Core: Yes

Description: ASA class 1-5

Harvest: Yes

Definition: Indicate the American Society of Anesthesiologists Risk Scale for the patient.

ASA I = Healthy patient.

ASA II = Mild systemic disease - no functional limitation

ASA III = Severe systemic disease – definite functional limitation.

ASA IV = Severe systemic disease that is a constant threat to life.

ASA V = Moribund patient unlikely to survive 24 hours with or without operation.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: I; II; III; IV; V

UsualRange:

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

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: OREntryT

SeqNo: 560

FieldName:

Core: Yes

Description: Time when surgeon entered Operating Room.

Harvest: Yes

Definition: Indicate the time when the surgeon enters the Operating Room.

Format: Time in 24 hour hh:mm format

DataSource: User

Default:

ValidData: Time of day in 24 hour clock hh:mm format

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: SIStartT

SeqNo: 570

FieldName:

Core: Yes

Description: Time of skin opening

Harvest: Yes

Definition: Indicate the time of the skin incision.

Format: Time in 24 hour hh:mm format

DataSource: User

Default:

ValidData: Time of day in 24 hour clock hh:mm format

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: SIStopT

SeqNo: 580

FieldName:

Core: Yes

Description: Time of skin closure

Harvest: Yes

Definition: Indiate the time of the final skin closure.

Format: Time in 24 hour hh:mm format

DataSource: User

Default:

ValidData: Time of day in 24 hour hh:mm format

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: ORExitT

SeqNo: 590

FieldName:

Core: Yes

Description: Time when surgeon exits Operating Room.

Harvest: Yes

Definition: Indicate the time when the surgeon exits the Operating Room.

Format: Time in 24 hour hh:mm format

DataSource: User

Default:

ValidData: Time of day in 24 hour hh:mm format

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: MultiDay

SeqNo: 600

FieldName:

Core: Yes

Description: Did operation go through midnight (24:00)

Harvest: Yes

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

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: Status

SeqNo: 610

FieldName:

Core: Yes

Description: Emergent, Urgent, Elective

Harvest: Yes

Definition: Select one of the status that best describes the clinical status of the patient at the time of surgery.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Emergent, Urgent, Elective

UsualRange:

HarvestCoding: 1 = Emergent
2 = Urgent
3 = Elective

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: NoPostop

SeqNo: 620

FieldName:

Core: Yes

Description: No postop events occurred

Harvest: Yes

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

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: AirLeakAny

SeqNo: 630

FieldName:

Core: Yes

Description: Air leak of any duration postop?

Harvest: Yes

Definition: Indicate if the patient experienced an air leak of any duration post op.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: AirLeak5

SeqNo: 640

FieldName:

Core: Yes

Description: Air leak with a duration of more than five days postop?

Harvest: Yes

Definition: Indicate if the patient experienced an air leak for more than 5 days post op.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: AirStartDate

SeqNo: 650

FieldName:

Core: Yes

Description: Date of start of air leak Harvest: Yes
Definition: Indicate the date the air leak started.
Format: Date in mm/dd/yyyy format
DataSource: User
Default:
ValidData: Date value in mm/dd/yyyy format
UsualRange:
HarvestCoding:
ParentField: AirLeakAny
ParentValue: Yes
MissingData:

Notes:

ShortName: AirStartTime SeqNo: 660
FieldName: Core: Yes
Description: Time of start of air leak Harvest: Yes
Definition: Indicate the time when the air leak started.
Format: Time in 24 hour hh:mm format
DataSource: User
Default:
ValidData: Time of day in 24 hour hh:mm format
UsualRange:
HarvestCoding:
ParentField: AirLeakAny
ParentValue: Yes
MissingData:

Notes:

ShortName: AirStopDate SeqNo: 670
FieldName: Core: Yes
Description: Date of air leak stop Harvest: Yes
Definition: Indicate the date the air leak stopped.
Format: Date in mm/dd/yyyy format
DataSource: User
Default:
ValidData: Date value in mm/dd/yyyy format
UsualRange:
HarvestCoding:
ParentField: AirLeakAny
ParentValue: Yes
MissingData:

Notes:

ShortName: AirStopTime

SeqNo: 680

FieldName:

Core: Yes

Description: Time of air leak stop

Harvest: Yes

Definition: Indicate the time when the air leak stopped.

Format: Time in 24 hour hh:mm format

DataSource: User

Default:

ValidData: Time of day in 24 hour hh:mm format

UsualRange:

HarvestCoding:

ParentField: AirLeakAny

ParentValue: Yes

MissingData:

Notes:

ShortName: AirLeakMeasures

SeqNo: 690

FieldName:

Core: Yes

Description: What measure was taken to control air leak?

Harvest: Yes

Definition: Indicate what, if any, measures taken to control air leak.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: No Air Leak Control Measures; Additional Sutures; Stapling; Fibrin Glue; Pericardial Strips; FocalSeal-L Lung Sealant; Muscle Flap Transposition; Other Air Leak Control Measures

UsualRange:

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

ParentField: AirLeakAny

ParentValue: Yes

MissingData:

Notes:

ShortName: Atelectasis

SeqNo: 700

FieldName:

Core: Yes

Description: Atelectasis requiring bronchoscopy

Harvest: Yes

Definition: Indicate if the patient experienced atelectasis requiring a bronchoscopy.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: Pneumonia

SeqNo: 710

FieldName:

Core: Yes

Description: Patient experienced pneumonia postoperatively.

Harvest: Yes

Definition: Indicate if the patient experienced pneumonia postoperatively. Pneumonia would be defined as meeting three of five characteristics: fever, leucocytosis, CXR with infiltrate, positive culture from sputum, or treatment with antibiotics.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: ARDS

SeqNo: 720

FieldName:

Core: Yes

Description: Patient has evidence of Adult Respiratory Distress Syndrome.

Harvest: Yes

Definition: Indicate if 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:

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

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: **Bronchopleural** SeqNo: 730
FieldName: Core: Yes
Description: Bronchopleural fistula Harvest: Yes
Definition: Indicate if the patient experienced a documented bronchopleural fistula.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:
HarvestCoding: 1 = Yes; 2 = No
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: **PE** SeqNo: 740
FieldName: Core: Yes
Description: Pulmonary embolus Harvest: Yes
Definition: Indicate if the patient had a Pulmonary Embolus documented by other than physical exam.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:
HarvestCoding: 1 = Yes; 2 = No
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: **Vent** SeqNo: 750
FieldName: Core: Yes
Description: Initial vent support >48 hours Harvest: Yes
Definition: Indicate if the patient initially was ventilated greater than 48 hours post operatively. 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 item even if the subsequent ventilator support is > 48 hours.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:
HarvestCoding: 1 = Yes; 2 = No
ParentField:

ParentValue:

MissingData:

Notes:

ShortName: Reintube

SeqNo: 760

FieldName:

Core: Yes

Description: Reintubate

Harvest: Yes

Definition: Indicate if the patient was reintubated.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: Trach

SeqNo: 770

FieldName:

Core: Yes

Description: Tracheostomy

Harvest: Yes

Definition: Indicate if the patient required a tracheostomy in the postoperative period

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: OtherPul

SeqNo: 780

FieldName:

Core: Yes

Description: Other pulmonary event

Harvest: Yes

Definition: Indicate if another pulmonary event occurred.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: AtrialArryth

SeqNo: 790

FieldName:

Core: Yes

Description: Atrial arrhythmia requiring treatment

Harvest: Yes

Definition: Indicate if the patient had any atrial arrhythmia documented on EKG which required therapy/intervention.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: VentArryth

SeqNo: 800

FieldName:

Core: Yes

Description: Ventricular arrhythmia requiring treatment

Harvest: Yes

Definition: Indicate if the patient had any ventricular arrhythmia documented on EKG which required therapy/intervention.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: MI

SeqNo: 810

FieldName:

Core: Yes

Description: Myocardial infarct

Harvest: Yes

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: (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

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: DVT

SeqNo: 820

FieldName:

Core: Yes

Description: DVT requiring treatment

Harvest: Yes

Definition: Indicate if the patient has experienced a deep venous thrombosis confirmed by other than physical exam.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: OtherCV

SeqNo: 830

FieldName:

Core: Yes

Description: Other cardiovascular event

Harvest: Yes

Definition: Indicate if any other CV event occurred.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: GastricOutlet SeqNo: 840
FieldName: Core: Yes
Description: Gastric outlet obstruction Harvest: Yes
Definition: Indicate if the patient experienced a gastric outlet obstruction requiring intervention, e.g. IV for dehydration, endoscopy and dilation, reoperation, etc.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:
HarvestCoding: 1 = Yes; 2 = No
ParentField:
ParentValue:
MissingData:
Notes:

ShortName: Ileus SeqNo: 850
FieldName: Core: Yes
Description: Patient experienced an ileus postoperatively. Harvest: Yes
Definition: Indicate if the patient experienced an ileus postoperatively as defined by limited GI motility requiring treatment e.g. nasogastric tube insertion for decompression, etc.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:
HarvestCoding: 1 = Yes; 2 = No
ParentField:
ParentValue:
MissingData:
Notes:

ShortName: AnastoMed SeqNo: 860
FieldName: Core: Yes
Description: Anastomosis requiring medical treatment only Harvest: Yes
Definition: Indicate if the patient experienced a leak at the anastomosis that required medical management e.g. NPO, antibiotics, etc. If a leak or an abnormality occurs on Barium Swallow only and does not require surgical intervention /drainage [e.g. treated with NPO and delay in oral intake], then choose this item.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: AnastoSurg

SeqNo: 870

FieldName:

Core: Yes

Description: Anastomosis requiring surgical treatment

Harvest: Yes

Definition: Indicate if the patient experienced a leak at the anastomosis that required surgical intervention or manipulation e.g. reoperation (in the operating room or requiring general anesthesia, repeat thoracotomy for drainage and control of the leak) for anastomotic leak. Opening the neck incision for drainage at the bedside would be included here.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: DilationEsoph

SeqNo: 880

FieldName:

Core: Yes

Description: Dilation of the esophagus prior to discharge

Harvest: Yes

Definition: Indicate if the patient required dilation of the esophagus prior to discharge.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: OtherGI

SeqNo: 890

FieldName:

Core: Yes

Description: Any other GI event occurred.

Harvest: Yes

Definition: Indicate if any other GI event occurred.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: BleedOperate

SeqNo: 900

FieldName:

Core: Yes

Description: Bleeding requiring reoperation

Harvest: Yes

Definition: Indicate if the patient required a reoperation for control of bleeding or evacuation of hematoma.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: Transfusion

SeqNo: 910

FieldName:

Core: Yes

Description: Blood transfusion intraop or postop

Harvest: Yes

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.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: OtherHema

SeqNo: 920

FieldName: Core: Yes
 Description: Other hematology or bleeding event requiring treatment Harvest: Yes
 Definition: Indicate if any other hematology/bleeding event requiring treatment occurred.
 Format: Text (categorical values specified by STS)
 DataSource: User
 Default:
 ValidData: Yes; No
 UsualRange:
 HarvestCoding: 1 = Yes; 2 = No
 ParentField:
 ParentValue:
 MissingData:

Notes:

ShortName: UTI SeqNo: 930
 FieldName: Core: Yes
 Description: Urinary tract infection Harvest: Yes
 Definition: Indicate if the patient experienced a urinary tract infection requiring treatment. (> 105 colonies / ml)
 Format: Text (categorical values specified by STS)
 DataSource: User
 Default:
 ValidData: Yes; No
 UsualRange:
 HarvestCoding: 1 = Yes; 2 = No
 ParentField:
 ParentValue:
 MissingData:

Notes:

ShortName: Empyema SeqNo: 940
 FieldName: Core: Yes
 Description: Patient experienced empyema requiring treatment. Harvest: Yes
 Definition: Indicate if the patient experienced an empyema requiring treatment e.g. chest tube, drainage by interventional radiology, etc.
 Format: Text (categorical values specified by STS)
 DataSource: User
 Default:
 ValidData: Yes; No
 UsualRange:
 HarvestCoding: 1 = Yes; 2 = No
 ParentField:
 ParentValue:
 MissingData:

Notes:

ShortName: **WoundInfect** SeqNo: 950
FieldName: Core: Yes
Description: Wound infection Harvest: Yes
Definition: Indicate if the patient experienced a wound infection as evidenced by meeting one the following criteria:
- Wound opened with excision of tissue (I&D).
- Positive culture.
- Treatment with antibiotics.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:
HarvestCoding: 1 = Yes; 2 = No
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: **Sepsis** SeqNo: 960
FieldName: Core: Yes
Description: Patient experienced sepsis (septicemia). Harvest: Yes
Definition: Indicate if the patient experienced sepsis (septicemia); requires positive blood cultures.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:
HarvestCoding: 1 = Yes; 2 = No
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: **OtherInfect** SeqNo: 970
FieldName: Core: Yes
Description: Other infection requiring treatment Harvest: Yes
Definition: Indicate if any other infection requiring treatment occurred.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: CentNeuroEvt

SeqNo: 980

FieldName:

Core: Yes

Description: New central neurological event

Harvest: Yes

Definition: Indicate if the patient experienced any neurological event post operatively that was not previously present? (e.g. TIA, RIND, CVA, etc.)

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: RecLarynParesis

SeqNo: 990

FieldName:

Core: Yes

Description: Recurrent laryngeal nerve paresis

Harvest: Yes

Definition: Indicate if the patient experienced a recurrent laryngeal nerve paresis or paralysis in the postoperative period that was not identified during the preoperative evaluation.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: OtherNeuro

SeqNo: 1000

FieldName:

Core: Yes

Description: Other neurological event

Harvest: Yes

Definition: Indicate if there were any other neurological events.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: NewRenalFail

SeqNo: 1010

FieldName:

Core: Yes

Description: New renal failure requiring treatment or worsening (PostOp Cr \geq 2x PreOp value)

Harvest: Yes

Definition: Indicate if the patient experienced postoperative renal failure as documented by serum creatinine level of >2.0 mg/dl or 2x the value preoperatively.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: ChyloMed

SeqNo: 1020

FieldName:

Core: Yes

Description: Chylothorax requiring drainage/medical treatment only

Harvest: Yes

Definition: Indicate if the patient experienced a chylothorax requiring drainage and medical intervention (NPO, TPN, etc.). No surgical intervention (thoracotomy, laparotomy, thoracoscopy, etc.) was required.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: ChyloSurg

SeqNo: 1030

FieldName: Core: Yes
Description: Chylothorax requiring surgical intervention Harvest: Yes
Definition: Indicate if the patient experienced a chylothorax requiring surgical intervention e.g. thoracotomy, laparotomy, thoracoscopy, etc.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:
HarvestCoding: 1 = Yes; 2 = No
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: Delirium SeqNo: 1040
FieldName: Core: Yes
Description: Delirium tremens Harvest: Yes
Definition: Indicate if the patient experienced delirium tremens marked by illusions, confusion, cerebral excitement, and having a comparatively short course.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:
HarvestCoding: 1 = Yes; 2 = No
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: OtherMed SeqNo: 1050
FieldName: Core: Yes
Description: Other events requiring medical treatment Harvest: Yes
Definition: Indicate any other medical events requiring medical treatment (including endoscopy).
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:
HarvestCoding: 1 = Yes; 2 = No
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: OtherSurg SeqNo: 1060
FieldName: Core: Yes
Description: Other events requiring OR with general anesthesia Harvest: Yes
Definition: Indicate if there are any other post operative events that required a procedure with general anesthesia.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Yes; No
UsualRange:
HarvestCoding: 1 = Yes; 2 = No
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: DischDt SeqNo: 1070
FieldName: Core: Yes
Description: Discharge date Harvest: Yes
Definition: Indicate the date the patient was discharged.
Format: Date in mm/dd/yyyy format
DataSource: User
Default:
ValidData: Date value in mm/dd/yyyy format
UsualRange:
HarvestCoding:
ParentField:
ParentValue:
MissingData:

Notes: Value must be >= AdmitDt

ShortName: MtDCStat SeqNo: 1080
FieldName: Core: Yes
Description: Discharge status - alive or dead Harvest: Yes
Definition: Indicate the vital status of the patient at the time of discharge.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Alive; Dead
UsualRange:
HarvestCoding: 1 = Alive; 2 = Dead

ParentField:
ParentValue:
MissingData:

Notes:

ShortName: MtDate SeqNo: 1090
FieldName: Core: Yes
Description: Date of death if death occurs after discharge Harvest: Yes
Definition: Date of the patient's death.
Format: Date in mm/dd/yyyy format
DataSource: User
Default:
ValidData: Date value in mm/dd/yyyy format
UsualRange:
HarvestCoding:
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: Mt30Stat SeqNo: 1100
FieldName: Core: Yes
Description: Status 30 days after surgery - alive or dead Harvest: Yes
Definition: Indicate the vital status of the patient at 30 days after surgery.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Alive; Dead
UsualRange:
HarvestCoding: 1 = Alive; 2 = Dead
ParentField: MtDCStat
ParentValue: Alive
MissingData:

Notes:

ShortName: CTubelnDate SeqNo: 1110
FieldName: Core: Yes
Description: Date chest tube was inserted Harvest: Yes
Definition: Indicate the date the chest tube was inserted.
Format: Date in mm/dd/yyyy format
DataSource: User
Default:
ValidData: Date value in mm/dd/yyyy format

UsualRange:
HarvestCoding:
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: CTubeInTime SeqNo: 1120
FieldName: Core: Yes
Description: Time chest tube was inserted Harvest: Yes
Definition: Indicate the time when the chest tube was inserted.
Format: Time in 24 hour hh:mm format
DataSource: User
Default:
ValidData: Time of day in 24 hour hh:mm format
UsualRange:
HarvestCoding:
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: CTubeOutDate SeqNo: 1130
FieldName: Core: Yes
Description: Date chest tube was removed Harvest: Yes
Definition: Indicate the date the chest tube was removed.
Format: Date in mm/dd/yyyy format
DataSource: User
Default:
ValidData: Date value in mm/dd/yyyy format
UsualRange:
HarvestCoding:
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: CTubeOutTime SeqNo: 1140
FieldName: Core: Yes
Description: Time chest tube was removed Harvest: Yes
Definition: Indicate the time when the chest tube was removed.
Format: Time in 24 hour hh:mm format
DataSource: User

Default:

ValidData: Time of day in 24 hour hh:mm format

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: PathNA

SeqNo: 1150

FieldName:

Core: Yes

Description: Pathological stage n/a

Harvest: Yes

Definition: Indicate if path staging is not applicable. For benign disease or pulmonary metastases of any type, pathological staging is not applicable.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: PathT

SeqNo: 1160

FieldName:

Core: Yes

Description: Pathological stage T

Harvest: Yes

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

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: X; O; S; 1; 2; 3; 4

UsualRange:

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

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: PathN SeqNo: 1170
FieldName: Core: Yes
Description: Pathological stage N Harvest: Yes
Definition: Indicate the appropriate descriptor for nodes based on the pathological staging characteristics of the lymph nodes. (See Appendix A for full description.)
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: X; O; 1; 2; 3
UsualRange:
HarvestCoding: 1 = 1
 2 = 2
 3 = 3
 4 = X
 5 = 0
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: PathM SeqNo: 1180
FieldName: Core: Yes
Description: Pathological stage M 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:
ValidData: X; O; 1
UsualRange:
HarvestCoding: 1 = 1
 2 = X
 3 = O
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: PathMAB SeqNo: 1190
FieldName: Core: Yes
Description: Pathological stage Ma, b 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:

ValidData: A; B

UsualRange:

HarvestCoding: 1 = A
2 = B

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: DataEntry

SeqNo: 1200

FieldName:

Core: Yes

Description: Who entered the data

Harvest: No

Definition: Identifier of person who entered the data.

Format: Text length 50

DataSource: User

Default:

ValidData:

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: Notes

SeqNo: 1210

FieldName:

Core: Yes

Description: Area for general notes, up to 255 characters

Harvest: No

Definition: General notes, up to 255 characters.

Format: Memo

DataSource: User

Default:

ValidData:

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: RecordID

SeqNo: 1220

FieldName:

Core: Yes

Description: This field is the foreign key that links this record with the associated records in the "STSDData" table.

Harvest: Yes

Definition: This field is the foreign key that links this record with the associated records in the

"STSDData" table.

Format: Integer

DataSource: Automatic

Default:

ValidData:

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: Approach

SeqNo: 1230

FieldName:

Core: Yes

Description: Approach

Harvest: Yes

Definition: Indicate the approaches used for the associated procedure.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Right Side; Left Side; Bilateral; Thoracoscopy; Thoracotomy; Thoracoabdominal; Median Sternotomy; Partial Sternotomy; Transverse Sternotomy; Laparotomy; Laparoscopy; Transhiatal; Transcervical; Other Approach

UsualRange:

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

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: OrgSys

SeqNo: 1240

FieldName:

Core: Yes

Description: Organ system

Harvest: Yes

Definition: Indicate the organ system on which the operation is being performed.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

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

UsualRange:

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

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: Proc

SeqNo: 1250

FieldName:

Core: Yes

Description: Procedure

Harvest: Yes

Definition: Indicate the procedure being performed.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Chest Wall Biopsy; Rib Resection (single); First/Cervical Rib Resection; Chest Wall Resection; Chest Wall Reconstruction; Thoracoplasty; Pectus Repair; Sternectomy, complete; Sternectomy, partial; 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); Laser Endobronchial Lesion; Tracheal/Bronchial Stent; Tracheostomy; Tracheal Repair; Tracheal Stricture Resection; Tracheal Tumor Resection; Carinal Resection; Bronchotomy; Bronchial Repair; Bronchoplasty; Sleeve Bronchial Resection; TE Fistula Repair; Other Tracheobronchial procedure; Wedge Resection, single; Wedge Resection, multiple; Segmentectomy; Lobectomy; Bilobectomy; Pneumonectomy, standard; 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; Laser Esophageal Lesion; 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, circumferentia; Fundoplication, partial; Gastroplasty; Pyloroplasty; Pyloromyotomy; Gastrectomy; Gastrostomy; Jejunostomy; Conduit, gastric; Conduit, colon; Conduit, jejunum; Conduit, other; Anastomosis, neck; Anastomosis, Chest; Other Esophageal procedure; Other GI procedure; Pericardial Window; Pericardiectomy; 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; 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

UsualRange:

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
100 = Other Chest Wall Repair
110 = Mediastinal LN Biopsy
120 = Mediastinoscopy
130 = Anterior Mediastinotomy
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 = Laser Endobronchial Lesion
270 = Tracheal/Bronchial Stent
280 = Tracheostomy
290 = Tracheal Repair
300 = Tracheal Stricture Resection
310 = Tracheal Tumor Resection
320 = Carinal Resection
330 = Bronchotomy
340 = Bronchial Repair
350 = Bronchoplasty
360 = Sleeve Bronchial Resection
370 = TE Fistula Repair
380 = Other Tracheobronchial procedure
390 = Wedge Resection, single
400 = Wedge Resection, multiple
410 = Segmentectomy
420 = Lobectomy
430 = Bilobectomy
440 = Pneumonectomy, standard
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 = Laser Esophageal Lesion
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
700 = Fundoplication, circumferential
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
- 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

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: Primary

SeqNo: 1260

FieldName:

Core: Yes

Description: Is this the primary procedure for the operation?

Harvest: Yes

Definition: Indicate if this is the primary procedure for the operation.

Format: Text (categorical values specified by STS)

DataSource: User

Default:

ValidData: Yes; No

UsualRange:

HarvestCoding: 1 = Yes; 2 = No

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: PatID SeqNo: 1270
FieldName: Core: Yes
Description: An arbitrary number that uniquely identifies this patient in the database. Harvest: Yes
Definition: 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 "STSDData" 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.
Format: Integer
DataSource: Automatic
Default:
ValidData: Assigned value, automatically inserted by software
UsualRange:
HarvestCoding:
ParentField:
ParentValue:
MissingData: Illegal

Notes:

ShortName: MedRecN SeqNo: 1280
FieldName: Core: Yes
Description: Medical Record # Harvest: No
Definition: Indicate the hospital medical number assigned to the patient.
Format: Text length 11
DataSource: User
Default:
ValidData:
UsualRange:
HarvestCoding:
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: PatFName SeqNo: 1290
FieldName: Core: Yes
Description: Patient's first name Harvest: No
Definition: Indicate the first name of the patient.
Format: Text length 20
DataSource: User
Default:
ValidData:
UsualRange:
HarvestCoding:
ParentField:

ParentValue:

MissingData:

Notes:

ShortName: PatMInit

SeqNo: 1300

FieldName:

Core: Yes

Description: Patient's middle initial

Harvest: No

Definition: Indicate the middle initial of the patient.

Format: Text length 1

DataSource: User

Default:

ValidData:

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: PatLName

SeqNo: 1310

FieldName:

Core: Yes

Description: Patient's last name

Harvest: No

Definition: Indicate the last name of the patient.

Format: Text length 25

DataSource: User

Default:

ValidData:

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: SSN

SeqNo: 1320

FieldName:

Core: Yes

Description: Social Security Number

Harvest: No

Definition: Indicate the Social Security Number (or government identification number if not a U.S. citizen) of the patient.

Format: Text length 11

DataSource: User

Default:

ValidData:

UsualRange:
HarvestCoding:
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: DOB SeqNo: 1330
FieldName: Core: Yes
Description: Date of birth Harvest: Optional
Definition: Indicate the date of birth of the patient.
Format: Date in mm/dd/yyyy format
DataSource: User
Default:
ValidData: Date value in mm/dd/yyyy format
UsualRange:
HarvestCoding:
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: Gender SeqNo: 1340
FieldName: Core: Yes
Description: Gender Harvest: Yes
Definition: Indicate the gender of the patient.
Format: Text (categorical values specified by STS)
DataSource: User
Default:
ValidData: Male;Female
UsualRange:
HarvestCoding: 1 = Male; 2 = Female
ParentField:
ParentValue:
MissingData:

Notes:

ShortName: Race SeqNo: 1350
FieldName: Core: Yes
Description: Patient's race Harvest: Yes
Definition: Indicate the race of the patient.
Format: Text (categorical values specified by STS)
DataSource: User

Default:

ValidData: Caucasian; Black; Hispanic; Asian; Native American; Other

UsualRange:

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

ParentField:

ParentValue:

MissingData:

Notes:

ShortName: PostalCode

SeqNo: 1360

FieldName:

Core: Yes

Description: Patient's zip code

Harvest: Yes

Definition: Indicate the zip code (or other postal code if outside the U.S.) of the patient.

Format: Text length 10

DataSource: User

Default:

ValidData:

UsualRange:

HarvestCoding:

ParentField:

ParentValue:

MissingData:

Notes:

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