

**National Lung Screening Trial / Lung Screening Study (NLST/LSS)**

**MEDICAL RECORD ABSTRACT  
DIAGNOSTIC EVALUATION FORM (DE)**

**Administrative Section**

Please mark box if another DE form has been submitted for this participant.

Date Abstracted: |\_|\_| / |\_|\_| / |\_|\_|\_|\_|

Abstractor ID: |\_|\_|\_|\_|

Screening Center ID: |\_|\_|

Study Year: T|\_|

Please mark box if T<sub>3</sub> completion is due to T<sub>2</sub> positive screen.

Date of Screening Exam or CDF Completion Date:  
|\_|\_| / |\_|\_| / |\_|\_|\_|\_|

Purpose of Abstract:  
 Initial Abstract  
 Re-abstract for QA

Multiple DE # \_\_\_\_\_

Initials Complete: \_\_\_\_\_

Initials QC: \_\_\_\_\_

Participant ID Label

**PART A: DIAGNOSTIC EVALUATION AND STAGING**

1. Did participant undergo diagnostic procedures?

- Yes
- No, Physician Report (GO TO A.5)
- No, Participant Self-Report (GO TO A.5)

2. Reason for initial visit for diagnostic evaluation:

(Mark all that apply)

- Symptomatic
- Follow-up of positive NLST screen
- Other (SPECIFY) \_\_\_\_\_

3. Diagnostic Evaluations (DO NOT RECORD RESULTS OF SCREENING SPIRAL CT SCAN OR CHEST X-RAY EXAM)

PROCEDURE #	DATE OF PROCEDURE (MO/DAY/YR)	TYPE OF PROCEDURE (USE PROCEDURE CODES ON THE NEXT PAGE)
1	_ _ - _ - _ _ _ _	_ _
2	_ _ - _ - _ _ _ _	_ _
3	_ _ - _ - _ _ _ _	_ _
4	_ _ - _ - _ _ _ _	_ _
5	_ _ - _ - _ _ _ _	_ _
6	_ _ - _ - _ _ _ _	_ _
7	_ _ - _ - _ _ _ _	_ _
8	_ _ - _ - _ _ _ _	_ _
9	_ _ - _ - _ _ _ _	_ _
10	_ _ - _ - _ _ _ _	_ _
11	_ _ - _ - _ _ _ _	_ _
12	_ _ - _ - _ _ _ _	_ _
13	_ _ - _ - _ _ _ _	_ _
14	_ _ - _ - _ _ _ _	_ _
15	_ _ - _ - _ _ _ _	_ _
16	_ _ - _ - _ _ _ _	_ _
17	_ _ - _ - _ _ _ _	_ _
18	_ _ - _ - _ _ _ _	_ _

## PROCEDURE CODES

01 = Biopsy – Endobronchial	29 = Lymphadenectomy/lymph node sampling
04 = Biopsy – Lymph node, scalene (supraclavicular) nodes	30 = Mediastinoscopy/Mediastinotomy
03 = Biopsy – Lymph node, other <b>(Specify)</b>	62 = MRI – Abdomen (or liver)
09 = Biopsy – Open surgical	31 = MRI – Bone
52 = Biopsy – Percutaneous adrenal	32 = MRI – Brain
02 = Biopsy – Percutaneous liver	33 = MRI – Chest
53 = Biopsy – Percutaneous transthoracic yielding histology	35 = MRI – Other <b>(Specify)</b>
50 = Biopsy – Thorascopic	39 = Pulmonary function tests/spirometry
10 = Biopsy – Transbronchial	11 = Radiograph – Bone
08 = Biopsy – Other <b>(Specify)</b>	13 = Radiograph – Chest
54 = Bronchoscopy without biopsy or cytology	15 = Radiograph – Comparison with historical images
14 = Clinical evaluation	37 = Radiograph – Other <b>(Specify)</b>
55 = CT – Abdomen (or liver)	40 = Radionuclide scan – Bone
17 = CT – Abdomen and pelvis	41 = Radionuclide scan – Brain
18 = CT – Brain	63 = Radionuclide scan – FDG-PET scan
56 = CT – Chest, plus contrast-enhanced nodule densitometry	68 = Radionuclide scan – Fusion PET/CT scan
57 = CT – Chest, diagnostic	64 = Radionuclide scan – Gallium
69 = CT – Chest, low dose spiral	42 = Radionuclide scan – Liver
23 = CT – Chest, limited thin section of nodule	65 = Radionuclide scan – Somatostatin receptor
70 = CT – Chest, limited thin section of entire lung	66 = Radionuclide scan – Ventilation/perfusion lung
71 = CT – Chest and abdomen	67 = Radionuclide scan - Other <b>(Specify)</b>
72 = CT – Chest, abdomen, and pelvis	43 = Resection
22 = CT – Other <b>(Specify)</b>	47 = Thoracentesis
58 = Cytology – Bronchoscopic	49 = Thoracoscopy
59 = Cytology – Percutaneous transthoracic	46 = Thoracotomy
25 = Cytology – Sputum	48 = Ultrasound <b>(Specify)</b>
60 = Cytology – Other <b>(Specify)</b>	36 = Other <b>(Specify)</b>
61 = Echocardiography	99 = Unknown
27 = Fluoroscopy	

## COMPLICATION CODES

01 = Acute respiratory failure	17 = Hospitalization post procedure
02 = Allergic reaction	37 = Infection requiring antibiotics
03 = Anaphylaxis	31 = Injury to vital organ or vessel
05 = Blood loss requiring transfusion	21 = Myocardial Infarction
06 = Bronchopulmonary fistula	22 = Pain requiring referral to a pain specialist
29 = Bronchial stump leak requiring tube thoracostomy or other drainage for >4 days	23 = Pneumothorax requiring tube placement
07 = Bronchospasm	32 = Prolonged mechanical ventilation over 48 hours post-operatively
08 = Cardiac arrest	25 = Respiratory arrest
09 = Cardiac arrhythmia requiring medical intervention	26 = Rib fracture(s)
10 = Cerebral vascular accident (CVA)/stroke	33 = Thromboembolic complications requiring intervention
11 = Congestive heart failure (CHF)	34 = Vaso-vagal reaction
12 = Death	27 = Vocal cord immobility/paralysis
30 = Empyema	28 = Wound dehiscence
14 = Fever requiring antibiotics	36 = Wound infection
16 = Hemothorax requiring tube placement	35 = Other <b>(Specify)</b>
	99 = Unknown

4. Were there any medical complications as a result of diagnostic evaluation and staging?

- No (Go to A.5)                       Yes (COMPLETE TABLE BELOW)                       Unknown

DATE OF COMPLICATION			MEDICAL COMPLICATIONS (USE COMPLICATION CODES ON PREVIOUS PAGE; LIST MORE THAN ONE IF NEEDED.)
MO	DAY	YEAR	
			_ _
			_ _
			_ _
			_ _
			_ _

5. Result of Diagnostic Evaluation for Primary Invasive Lung Cancer:

- No malignancy, confirmed by histology or cytology
- No malignancy, determined by clinical evaluation only-no pathologic proof
- Primary invasive lung malignancy confirmed histologically
- Primary invasive lung malignancy confirmed cytologically
- Primary invasive lung malignancy diagnosed by clinical examination only-no pathologic proof
- Malignancy other than primary invasive lung cancer, with or without lung metastasis, confirmed by histology or cytology
- Malignancy other than primary invasive lung cancer, with or without lung metastasis, diagnosed by clinical evaluation only – no pathologic proof
- Diffuse idiopathic pulmonary neuroendocrine hyperplasia
- Neoplasm of uncertain behavior
- Carcinoma in situ
- Squamous dysplasia
- Atypical adenomatous hyperplasia
- Further follow-up required (Go to PART D)
- No information available (Go to PART D)

**PART B: DIAGNOSIS INFORMATION FOR ANY CONDITION  
OTHER THAN PRIMARY INVASIVE LUNG CANCER**

6a. Non-Cancer Diagnosis                       Yes                       No

ICD-9-CM Classification:

|\_|\_|\_|\_|. |\_|\_|

Nosologist/Abstractor ID #:

6b. Date of Diagnosis:

|\_|\_|\_|\_|

|\_|\_| / |\_|\_| / |\_|\_|\_|\_|

7a. Cancer Diagnosis, Site other than primary invasive lung                       Yes                       No

ICD-O-3 Cancer Classification: (TO BE COMPLETED BY CTR OR CTR-ELIGIBLE STAFF)

|\_C\_|\_|\_|\_| - |\_|\_|\_|\_|\_| - |\_| - |\_|  
TOPOGRAPHY                      MORPHOLOGY                      BEHAVIOR                      GRADE

7b. |\_|\_| / |\_|\_| / |\_|\_|\_|\_|

Date of Diagnosis

|\_|\_|\_|\_|

CTR ID #

7c. Is this Cancer Metastatic to Lung?  Yes                       No

**PART C: PRIMARY INVASIVE LUNG CANCER DIAGNOSIS INFORMATION**

8. Date of Primary Invasive Lung Cancer Diagnosis (Mo/Day/Year): \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_

9. Photocopy of Report Confirming Primary Invasive Lung Cancer (MARK ONE):

- No Report/Clinical Examination (COMPLETE C10)
- Histology/Histopathology (GO TO C11)
- Cytology/Cytopathology (GO TO C11)
- Report exists but cannot be obtained (COMPLETE C10)

10. Verbatim Description of Primary Invasive Lung Cancer Diagnosis:  
(COMPLETE ONLY WHEN ANSWER TO C9 IS "NO REPORT/CLINICAL EXAMINATION," or "REPORT EXISTS BUT CANNOT BE OBTAINED.")

11a. ICD-O-3 Cancer Classification: (TO BE COMPLETED BY CTR OR CTR-ELIGIBLE STAFF)

| C | | | | - | | | | | - | | - | |  
TOPOGRAPHY MORPHOLOGY BEHAVIOR GRADE

CTR ID #  
(For Items C.11a, b, & C14-C17 only)

| | | | |

11b. Source:  Cytology  Histology  Combined (CYTOLOGY and HISTOLOGY)  Clinical  
(IF COMBINED or CLINICAL, MUST COMMENT IN D.18)

12. Primary Tumor Location (MARK ALL THAT APPLY):

- Right upper lobe
- Right middle lobe
- Right lower lobe
- Left upper lobe
- Left lower lobe
- Lingula
- Right hilum
- Left hilum
- Right main stem bronchus
- Left main stem bronchus
- Carina
- Mediastinum
- Unknown
- Other: (SPECIFY): \_\_\_\_\_

13. Pathology Lesion Size (maximum dimension): \_\_\_\_\_ mm

14a. Pathologic Type for Primary Invasive Lung Cancer: (TO BE COMPLETED BY CTR OR CTR-ELIGIBLE STAFF)

\_\_\_\_\_/\_/\_\_\_\_

14b. Date of Pathologic Confirmation: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

15. Grade of Primary Invasive Lung Cancer: (TO BE COMPLETED BY CTR OR CTR-ELIGIBLE STAFF)

- |   |   |
|---|---|
| <input type="checkbox"/> Grade cannot be assessed (GX)  | <input type="checkbox"/> Undifferentiated (G4)              |
| <input type="checkbox"/> Well differentiated (G1)       | <input type="checkbox"/> Unspecified in pathology report    |
| <input type="checkbox"/> Moderately differentiated (G2) | <input type="checkbox"/> Unknown – Pathology report missing |
| <input type="checkbox"/> Poorly differentiated (G3)     |   |

16. TNM Staging for Primary Invasive Lung Cancer: (TO BE COMPLETED BY CTR OR CTR-ELIGIBLE STAFF)

16a. TNM Clinical Staging:  
(MARK ONE BOX ONLY IN EACH COLUMN.)

YES       NO

16b. TNM Pathological Staging:  
(MARK ONE BOX ONLY IN EACH COLUMN.)

YES       NO

Neoadjuvant therapy prior to staging?

YES       NO

Primary Tumor (T) Codes:	Nodal Involvement (N) Codes:	Distant Metastases (M) Codes:	Primary Tumor (T) Codes:	Nodal Involvement (N) Codes:	Distant Metastases (M) Codes:
<input type="checkbox"/> T <sub>x</sub> <input type="checkbox"/> T <sub>0</sub> <input type="checkbox"/> T <sub>1</sub> <input type="checkbox"/> T <sub>2</sub> <input type="checkbox"/> T <sub>3</sub> <input type="checkbox"/> T <sub>4</sub> <input type="checkbox"/> Not available	<input type="checkbox"/> N <sub>x</sub> <input type="checkbox"/> N <sub>0</sub> <input type="checkbox"/> N <sub>1</sub> <input type="checkbox"/> N <sub>2</sub> <input type="checkbox"/> N <sub>3</sub> <input type="checkbox"/> Not available	<input type="checkbox"/> M <sub>x</sub> <input type="checkbox"/> M <sub>0</sub> <input type="checkbox"/> M <sub>1</sub> <input type="checkbox"/> Not available	<input type="checkbox"/> T <sub>x</sub> <input type="checkbox"/> T <sub>1</sub> <input type="checkbox"/> T <sub>2</sub> <input type="checkbox"/> T <sub>3</sub> <input type="checkbox"/> T <sub>4</sub> <input type="checkbox"/> Not available	<input type="checkbox"/> N <sub>x</sub> <input type="checkbox"/> N <sub>0</sub> <input type="checkbox"/> N <sub>1</sub> <input type="checkbox"/> N <sub>2</sub> <input type="checkbox"/> N <sub>3</sub> <input type="checkbox"/> Not available	<input type="checkbox"/> M <sub>x</sub> <input type="checkbox"/> M <sub>0</sub> <input type="checkbox"/> M <sub>1</sub> <input type="checkbox"/> Not available

17. Record Stage: COMPLETE ONLY IF ANY PART OF THE TNM PATHOLOGICAL STAGING IS UNKNOWN.

(TO BE COMPLETED BY CTR OR CTR-ELIGIBLE STAFF)

Stage Only:

- |   |                               |
|---|-------------------------------|
| <input type="checkbox"/> Occult Carcinoma | <input type="checkbox"/> IIB  |
| <input type="checkbox"/> IA               | <input type="checkbox"/> IIIA |
| <input type="checkbox"/> IB               | <input type="checkbox"/> IIIB |
| <input type="checkbox"/> IIA              | <input type="checkbox"/> IV   |
| <input type="checkbox"/> Not available    |                               |

VALCSG (Small Cell only):

- Limited  
 Extensive  
 Not available

Summary Staging:

- Localized  
 Regional  
 Distant  
 Not available



## PART E: HEALTH CARE PROVIDER/HOSPITAL LOCATION INFORMATION

### 19. HEALTH CARE PROVIDER FOR DIAGNOSTIC EVALUATION:

**a.** NAME: MR./MRS./MISS/MS./DR.                      FIRST                      MIDDLE                      LAST                      (JR., SR., etc.)

STREET ADDRESS 1    STREET ADDRESS 2    SUITE OR OFFICE NO

CITY    STATE    ZIP

TELEPHONE 1 (    )	TELEPHONE 2 (    )	FAX NUMBER: (    )
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Medical Record / Chart Number

**b.** NAME: MR./MRS./MISS/MS./DR.                      FIRST                      MIDDLE                      LAST                      (JR., SR., etc.)

STREET ADDRESS 1    STREET ADDRESS 2    SUITE OR OFFICE NO

CITY    STATE    ZIP

TELEPHONE 1 (    )	TELEPHONE 2 (    )	FAX NUMBER: (    )
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Medical Record / Chart Number

### 20. HOSPITAL OR CLINIC FOR DIAGNOSTIC EVALUATION:

**a.** NAME OF HOSPITAL OR CLINIC

STREET ADDRESS 1    STREET ADDRESS 2    SUITE OR OFFICE NO

CITY    STATE    ZIP

TELEPHONE 1 (    )	TELEPHONE 2 (    )	FAX NUMBER: (    )
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Medical Record / Chart Number

**b.** NAME OF HOSPITAL OR CLINIC

STREET ADDRESS 1    STREET ADDRESS 2    SUITE OR OFFICE NO

CITY    STATE    ZIP

TELEPHONE 1 (    )	TELEPHONE 2 (    )	FAX NUMBER: (    )
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Medical Record / Chart Number