2023 Value-Based Reimbursement Measurement Specifications
General Thoracic Surgery

2023 Value-Based Reimbursement Measure #1:
Invasive Mediastinal Staging

Description
Percentage of patients with clinical stage IB or greater undergoing lobectomy, segmentectomy or pneumonectomy for new primary lung cancer who receive invasive mediastinal staging.

Rationale
National Comprehensive Cancer Network (NCCN) Guidelines Version 5.2022 lists pretreatment evaluation of mediastinal lymph nodes via mediastinoscopy, EBUS, EUS, and CT-guided biopsy as standard practice for proper treatment and plan of care.¹

Measurement Time Period
January 1, 2023 – September 30, 2023

Inclusion Criteria
All patients with clinical stage IB or greater undergoing lobectomy, segmentectomy and/or pneumonectomy for new primary lung cancer.

CPT Codes included:
- 32440 Removal of lung, total pneumonectomy
- 32442 Removal of lung, sleeve (carinal) pneumonectomy
- 32480 Removal of lung, single lobe (lobectomy)
- 32482 Removal of lung, two lobes (bilobectomy)
- 32484 Removal of lung, single segment (segmentectomy)
- 32486 Removal of lung, sleeve lobectomy
- 32488 Removal of lung, completion pneumonectomy
- 32663 Thoracoscopy, surgical; with lobectomy
- 32669 Thoracoscopy with removal of a single lung segment (segmentectomy)
- 32670 Thoracoscopy with removal of two lobes (bilobectomy)
- 32671 Thoracoscopy with removal of lung (pneumonectomy)

Exclusion Criteria
- Clinically Staged T1, N0, M0

Variables used in Numerator
- Invasive mediastinal staging (#1620)
2023 Value-Based Reimbursement Measure #2:  
Pathologic staging

Description
Percentage of patients with pathologic sampling of at least 3 mediastinal and 1 hilar lymph node stations at the time of lung cancer resection.

Rationale
The Commission on Cancer Operative Standard 5.8 aim is to attain sampling of at least 3 mediastinal and 1 hilar lymph node station for any primary pulmonary resection with curative intent.²

Measurement Time Period
January 1, 2023 – September 30, 2023

Inclusion Criteria
All lobectomy, segmentectomy and/or pneumonectomy for new primary lung cancer.

CPT Codes included:
32440 Removal of lung, total pneumonectomy
32442 Removal of lung, sleeve (carinal) pneumonectomy
32480 Removal of lung, single lobe (lobectomy)
32482 Removal of lung, two lobes (bilobectomy)
32484 Removal of lung, single segment (segmentectomy)
32486 Removal of lung, sleeve lobectomy
32488 Removal of lung, completion pneumonectomy
32663 Thoracoscopy, surgical; with lobectomy
32669 Thoracoscopy with removal of a single lung segment (segmentectomy)
32670 Thoracoscopy with removal of two lobes (bilobectomy)
32671 Thoracoscopy with removal of lung (pneumonectomy)

Exclusion Criteria
• Cases missing Seq# 1880

Variables used in Numerator
• Lung CA Nodes Assessed (#1880)

<table>
<thead>
<tr>
<th>Mediastinal Lymph Node Stations</th>
<th>Hilar Lymph Node Stations</th>
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<tbody>
<tr>
<td>NS2 (#1900)</td>
<td>NS10 (#1980)</td>
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<tr>
<td>NS3 (#1910)</td>
<td>NS11 (#1990)</td>
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<td>NS12_14 (#2000)</td>
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<td>NS8 (#1960)</td>
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<tr>
<td>NS9 (#1970)</td>
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Society of Thoracic Surgeons Thoracic Surgery Database version 5.2 sequence number in parenthesis if applicable.
2023 Value-Based Reimbursement Measure #3: 
Time from diagnosis to lung cancer resection

Description
Percentage of lung cancer resection patients with a date of CT and date of surgeon consult recorded.

Rationale
Studies suggest delays from radiographic diagnosis to surgery are associated with increased risk of recurrence and worse overall survival and emphasize a need to decrease wait times to improve management and prognosis of lung cancer.\(^3,4\)

Measurement Time Period
January 1, 2023 – September 30, 2023

Inclusion Criteria
All lobectomy, segmentectomy, pneumonectomy, and therapeutic wedge resections.

CPT Codes included:
32440 Removal of lung, total pneumonectomy
32442 Removal of lung, sleeve (carinal) pneumonectomy
32480 Removal of lung, single lobe (lobectomy)
32482 Removal of lung, two lobes (bilotectomy)
32484 Removal of lung, single segment (segmentectomy)
32486 Removal of lung, sleeve lobectomy
32488 Removal of lung, completion pneumonectomy
32505 Thoracotomy with therapeutic wedge resection (eg mass nodule) initial
32663 Thoracoscopy, surgical; with lobectomy
32666 Thoracoscopy with therapeutic wedge resection (eg mass or nodule) initial, unilateral
32669 Thoracoscopy with removal of a single lung segment (segmentectomy)
32671 Thoracoscopy with removal of two lobes (bilotectomy)
32670 Thoracoscopy with removal of lung (pneumonectomy)

Exclusion Criteria
- Emergent cases

Variables used in Numerator
Custom date submitted to MSTCVS QC
- Date of CT of concern (leading to surgeon consult)
- Date of surgeon consultation for surgery
2023 Value-Based Reimbursement Measure:
Tobacco Cessation Measure

Description
Percentage of general thoracic surgery patients who are documented as current tobacco smokers and receive smoking cessation treatment and/or counseling.

Rationale
Tobacco use is the single greatest preventable cause of disease and premature death in America today. In addition, smoking is an established perioperative risk factor impacting up to 25% of surgical patients. According to the Centers for Disease Control (CDC), 70% of smokers report they would like to quit however, only 15% of smokers in Michigan receive smoking cessation treatment. Making every contact count (MECC) is an approach to behavior change that is clinically proven to help patients quit smoking and results in better health outcomes.

Measurement Time Period
January 1, 2023 – September 30, 2023

Inclusion Criteria
All lobectomy, segmentectomy, pneumonectomy, and therapeutic wedge resections.
- Current Smokers (#800)

CPT Codes included:
32440 Removal of lung, total pneumonectomy
32442 Removal of lung, sleeve (carinal) pneumonectomy
32480 Removal of lung, single lobe (lobectomy)
32482 Removal of lung, two lobes (bilobectomy)
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32669 Thoracoscopy with removal of a single lung segment (segmentectomy)
32671 Thoracoscopy with removal of two lobes (bilobectomy)
32670 Thoracoscopy with removal of lung (pneumonectomy)

Exclusion Criteria
- None

Variables used in Numerator
Submission of documentation that one of the following was provided to current smokers:
1. Pharmacologic cessation treatment
2. Referral to an inpatient or outpatient counselling program
   Referral to 1-800-Quit-Now
REFERENCES