**eTable 1:** International Classification of Diseases (ICD) 9th and 10th Revision Procedure Codes and Current Procedural Terminology (CPT) Codes Used to Determine Diagnostic Procedures

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| --- | --- | --- | --- |
| **Category** | **ICD-9 Procedure code** | **ICD-10 Procedure code** | **CPT code** |
| **Cytology/ Needle Biopsy procedures:**  |  |  |  |
| Cytopathology, evaluation of fine needle aspirate; immediate cytohistologic study to determine adequacy for diagnosis, first evaluation episode, each site |  |  | 88172 |
| Cytopathology, evaluation of fine needle aspirate; interpretation and report |  |  | 88173 |
| Cytopathology, evaluation of fine needle aspirate; immediate cytohistologic study to determine adequacy for diagnosis, each separate additional evaluation episode, same site (List separately in addition to code for primary procedure) |  |  | 88177 |
| Fine needle aspiration; without imaging guidance |  |  | 10021 |
| Fine needle aspiration; with imaging guidance |  |  | 10022 |
| Biopsy, pleura, percutaneous needle |  |  | 32400 |
| Biopsy, lung or mediastinum, percutaneous needle | 33.26  | 0BB13ZX, 0BB23ZX, 0BB33ZX, 0BB43ZX, 0BB53ZX, 0BB63ZX, 0BB73ZX, 0BB83ZX, 0BB93ZX, 0BBB3ZX, 0BBC3ZX, 0BBD3ZX, 0BBF3ZX, 0BBG3ZX, 0BBH3ZX, 0BBJ3ZX, 0BBK3ZX, 0BBL3ZX, 0BBM3ZX, 0BB13ZZ, 0BB23ZZ, 0BB33ZZ, 0BB43ZZ, 0BB53ZZ, 0BB63ZZ, 0BB73ZZ, 0BB83ZZ, 0BB93ZZ, 0BBB3ZZ, 0BBC3ZZ, 0BBD3ZZ, 0BBF3ZZ, 0BBG3ZZ, 0BBH3ZZ, 0BBJ3ZZ, 0BBK3ZZ, 0BBL3ZZ, 0BBM3ZZ, 0BB14ZX, 0BB24ZX, 0BB34ZX, 0BB44ZX, 0BB54ZX, 0BB64ZX, 0BB74ZX, 0BB84ZX, 0BB94ZX, 0BBB4ZX, 0BBC4ZX, 0BBD4ZX, 0BBF4ZX, 0BBG4ZX, 0BBH4ZX, 0BBJ4ZX, 0BBK4ZX, 0BBL4ZX, 0BBM4ZX, 0BB14ZZ, 0BB24ZZ, 0BB34ZZ, 0BB44ZZ, 0BB54ZZ, 0BB64ZZ, 0BB74ZZ, 0BB84ZZ, 0BB94ZZ, 0BBB4ZZ, 0BBC4ZZ, 0BBD4ZZ, 0BBF4ZZ, 0BBG4ZZ, 0BBH4ZZ, 0BBJ4ZZ, 0BBK4ZZ, 0BBL4ZZ, 0BBM4ZZ, 0BBN3ZX, 0BBP3ZX, 0BBR3ZX, 0BBS3ZX, 0BBN3ZZ, 0BBP3ZZ, 0BBR3ZZ, 0BBS3ZZ, 0B9130Z, 0B9230Z, 0B9330Z, 0B9430Z, 0B9530Z, 0B9630Z, 0B9730Z, 0B9830Z, 0B9930Z, 0B9B30Z, 0B9C30Z, 0B9D30Z, 0B9F30Z, 0B9G30Z, 0B9H30Z, 0B9J30Z, 0B9K30Z, 0B9L30Z, 0B9M30Z, 0B9140Z, 0B9240Z, 0B9340Z, 0B9440Z, 0B9540Z, 0B9640Z, 0B9740Z, 0B9840Z, 0B9940Z, 0B9B40Z, 0B9C40Z, 0B9D40Z, 0B9F40Z, 0B9G40Z, 0B9H40Z, 0B9J40Z, 0B9K40Z, 0B9L40Z, 0B9M40Z, 0B913ZX, 0B923ZX, 0B933ZX, 0B943ZX, 0B953ZX, 0B963ZX, 0B973ZX, 0B983ZX, 0B993ZX, 0B9B3ZX, 0B9C3ZX, 0B9D3ZX, 0B9F3ZX, 0B9G3ZX, 0B9H3ZX, 0B9J3ZX, 0B9K3ZX, 0B9L3ZX, 0B9M3ZX, 0B914ZX, 0B924ZX, 0B934ZX, 0B944ZX, 0B954ZX, 0B964ZX, 0B974ZX, 0B984ZX, 0B994ZX, 0B9B4ZX, 0B9C4ZX, 0B9D4ZX, 0B9F4ZX, 0B9G4ZX, 0B9H4ZX, 0B9J4ZX, 0B9K4ZX, 0B9L4ZX, 0B9M4ZX, 0B913ZZ, 0B923ZZ, 0B933ZZ, 0B943ZZ, 0B953ZZ, 0B963ZZ, 0B973ZZ, 0B983ZZ, 0B993ZZ, 0B9B3ZZ, 0B9C3ZZ, 0B9D3ZZ, 0B9F3ZZ, 0B9G3ZZ, 0B9H3ZZ, 0B9J3ZZ, 0B9K3ZZ, 0B9L3ZZ, 0B9M3ZZ, 0B914ZZ, 0B924ZZ, 0B934ZZ, 0B944ZZ, 0B954ZZ, 0B964ZZ, 0B974ZZ, 0B984ZZ, 0B994ZZ, 0B9B4ZZ, 0B9C4ZZ, 0B9D4ZZ, 0B9F4ZZ, 0B9G4ZZ, 0B9H4ZZ, 0B9J4ZZ, 0B9K4ZZ, 0B9L4ZZ, 0B9M4ZZ, 0B9N30Z, 0B9P30Z, 0B9R30Z, 0B9S30Z, 0B9N40Z, 0B9P40Z, 0B9R40Z, 0B9S40Z, 0B9N3ZX, 0B9P3ZX, 0B9R3ZX, 0B9S3ZX, 0B9N4ZX, 0B9P4ZX, 0B9R4ZX, 0B9S4ZX, 0B9N3ZZ, 0B9P3ZZ, 0B9R3ZZ, 0B9S3ZZ, 0B9N4ZZ, 0B9P4ZZ, 0B9R4ZZ, 0B9S4ZZ, 0W9C30Z, 0W9930Z, 0W9B30Z, 0W9C40Z, 0W9940Z, 0W9B40Z, 0W9C3ZX, 0W993ZX, 0W9B3ZX, 0W9C4ZX, 0W994ZX, 0W9B4ZX, 0W9C3ZZ, 0W993ZZ, 0W9B3ZZ, 0W9C4ZZ, 0W994ZZ, 0W9B4ZZ, 0WBC3ZX, 0WBC3ZZ, 0WBC4ZX, 0WBC4ZZ, | 32405 |
| Closed (percutaneous) (needle) biopsy of liver | 50.11 | 079740Z, 079840Z, 079940Z, 079D40Z, 079K40Z, 07974ZZ, 07984ZZ, 07994ZZ, 079D4ZZ, 079K4ZZ, 07974ZX, 07984ZX, 07994ZX, 079D4ZX, 079K4ZX, 07B74ZX, 07B84ZX, 07B94ZX, 07BD4ZX, 07BK4ZX, 07B74ZZ, 07B84ZZ, 07B94ZZ, 07BD4ZZ, 07BK4ZZ, 0FB03ZX, 0FB13ZX, 0FB23ZX, 0FB03ZZ, 0FB13ZZ, 0FB23ZZ, 0FB04ZX, 0FB14ZX, 0FB24ZX, 0FB04ZZ, 0FB14ZZ, 0FB24ZZ, | 47000 |
| Biopsy, abdominal or retroperitoneal mass, percutaneous needle | 54.24 | 0W9G30Z, 0W9H30Z, 0W9G40Z, 0W9H40Z, 0W9G3ZZ, 0W9H3ZZ, 0W9G4ZZ, 0W9H4ZZ, 0W9G3ZX, 0W9H3ZX, 0W9G4ZX, 0W9H4ZX, 0WBH3ZX, 0WBH3ZZ, 0WBH4ZX, 0WBH4ZZ, | 49180 |
| Biopsy or excision of lymph node(s); by needle, superficial (eg, cervical, inguinal, axillary) | 40.21 | 079130Z, 079230Z, 079530Z, 079630Z, 079730Z, 079830Z, 079930Z, 079D30Z, 079K30Z, 079M30Z, 079140Z, 079240Z, 079540Z, 079640Z, 079740Z, 079840Z, 079940Z, 079D40Z, 079K40Z, 079M40Z, 07913ZZ, 07923ZZ, 07953ZZ, 07963ZZ, 07973ZZ, 07983ZZ, 07993ZZ, 079D3ZZ, 079K3ZZ, 079M3ZZ, 07914ZZ, 07924ZZ, 07954ZZ, 07964ZZ, 07974ZZ, 07984ZZ, 07994ZZ, 079D4ZZ, 079K4ZZ, 079M4ZZ, 07913ZX, 07923ZX, 07953ZX, 07963ZX, 07973ZX, 07983ZX, 07993ZX, 079D3ZX, 079K3ZX, 079M3ZX, 07914ZX, 07924ZX, 07954ZX, 07964ZX, 07974ZX, 07984ZX, 07994ZX, 079D4ZX, 079K4ZX, 079M4ZX, 07B13ZX, 07B23ZX, 07B53ZX, 07B63ZX, 07B73ZX, 07B83ZX, 07B93ZX, 07BD3ZX, 07BK3ZX, 07BM3ZX, 07B13ZZ, 07B23ZZ, 07B53ZZ, 07B63ZZ, 07B73ZZ, 07B83ZZ, 07B93ZZ, 07BD3ZZ, 07BK3ZZ, 07BM3ZZ, 07B14ZX, 07B24ZX, 07B54ZX, 07B64ZX, 07B74ZX, 07B84ZX, 07B94ZX, 07BD4ZX, 07BK4ZX, 07BM4ZX, 07B14ZZ, 07B24ZZ, 07B54ZZ, 07B64ZZ, 07B74ZZ, 07B84ZZ, 07B94ZZ, 07BD4ZZ, 07BK4ZZ, 07BM4ZZ, | 38505 |
|  |  |  |  |
| **Bronchoscopy procedures:** |  |  |  |
| Transbronchoscopic needle aspiration [TBNA] of lymph node | 40.11 | 079740Z, 079840Z, 079940Z, 079D40Z, 079K40Z, 07974ZZ, 07984ZZ, 07994ZZ, 079D4ZZ, 079K4ZZ, 07974ZX, 07984ZX, 07994ZX, 079D4ZX, 079K4ZX, 07B74ZX, 07B84ZX, 07B94ZX, 07BD4ZX, 07BK4ZX, 07B74ZZ, 07B84ZZ, 07B94ZZ, 07BD4ZZ, 07BK4ZZ, |  |
| Catheterization with bronchial brush biopsy | 33.21 |  | 31717 |
| Bronchoscopy through artificial stoma (Tracheobronchoscopy through established tracheostomy incision) | 33.22 | 0BJ07ZZ, 0BJ17ZZ, 0BJK7ZZ, 0BJL7ZZ, 0BJ08ZZ, 0BJ18ZZ, 0BJK8ZZ, 0BJL8ZZ, 0WJQ7ZZ, 0WJQ8ZZ, | 31615 |
| Fiber-optic bronchoscopy | 33.23 | 0BJ04ZZ, 0BJ14ZZ, 0BJK4ZZ, 0BJL4ZZ, 0BJ08ZZ, 0BJ18ZZ, 0BJK8ZZ, 0BJL8ZZ, 0WJQ4ZZ, 0WJQ8ZZ, |  |
| Other bronchoscopy | 33.24 | 0BJ07ZZ, 0BJ17ZZ, 0BJK7ZZ, 0BJL7ZZ, 0BJ08ZZ, 0BJ18ZZ, 0BJK8ZZ, 0BJL8ZZ, 0WJQ7ZZ, 0WJQ8ZZ, 0BJ04ZZ, 0BJ14ZZ, 0BJK4ZZ, 0BJL4ZZ, 0WJQ4ZZ, 0WJQ8ZZ |  |
| Closed [endoscopic] biopsy of bronchus | 33.27 | 0B9140Z, 0B9240Z, 0B9340Z, 0B9440Z, 0B9540Z, 0B9640Z, 0B9740Z, 0B9840Z, 0B9940Z, 0B9B40Z, 0B9180Z, 0B9280Z, 0B9380Z, 0B9480Z, 0B9580Z, 0B9680Z, 0B9780Z, 0B9880Z, 0B9980Z, 0B9B80Z, 0B914ZZ, 0B924ZZ, 0B934ZZ, 0B944ZZ, 0B954ZZ, 0B964ZZ, 0B974ZZ, 0B984ZZ, 0B994ZZ, 0B9B4ZZ, 0B914ZX, 0B924ZX, 0B934ZX, 0B944ZX, 0B954ZX, 0B964ZX, 0B974ZX, 0B984ZX, 0B994ZX, 0B9B4ZX, 0B918ZZ, 0B928ZZ, 0B938ZZ, 0B948ZZ, 0B958ZZ, 0B968ZZ, 0B978ZZ, 0B988ZZ, 0B998ZZ, 0B9B8ZZ, 0B918ZX, 0B928ZX, 0B938ZX, 0B948ZX, 0B958ZX, 0B968ZX, 0B978ZX, 0B988ZX, 0B998ZX, 0B9B8ZX, 0BB14ZZ, 0BB24ZZ, 0BB34ZZ, 0BB44ZZ, 0BB54ZZ, 0BB64ZZ, 0BB74ZZ, 0BB84ZZ, 0BB94ZZ, 0BBB4ZZ, 0BB14ZX, 0BB24ZX, 0BB34ZX, 0BB44ZX, 0BB54ZX, 0BB64ZX, 0BB74ZX, 0BB84ZX, 0BB94ZX, 0BBB4ZX, 0BB18ZZ, 0BB28ZZ, 0BB38ZZ, 0BB48ZZ, 0BB58ZZ, 0BB68ZZ, 0BB78ZZ, 0BB88ZZ, 0BB98ZZ, 0BBB8ZZ, 0BB18ZX, 0BB28ZX, 0BB38ZX, 0BB48ZX, 0BB58ZX, 0BB68ZX, 0BB78ZX, 0BB88ZX, 0BB98ZX, 0BBB8ZX, |  |
| Closed endoscopic biopsy of lung |  | 0B9C40Z, 0B9D40Z, 0B9F40Z, 0B9G40Z, 0B9H40Z, 0B9J40Z, 0B9K40Z, 0B9L40Z, 0B9M40Z, 0B9C80Z, 0B9D80Z, 0B9F80Z, 0B9G80Z, 0B9H80Z, 0B9J80Z, 0B9K80Z, 0B9L80Z, 0B9M80Z, 0B9C4ZZ, 0B9D4ZZ, 0B9F4ZZ, 0B9G4ZZ, 0B9H4ZZ, 0B9J4ZZ, 0B9K4ZZ, 0B9L4ZZ, 0B9M4ZZ, 0B9C4ZX, 0B9D4ZX, 0B9F4ZX, 0B9G4ZX, 0B9H4ZX, 0B9J4ZX, 0B9K4ZX, 0B9L4ZX, 0B9M4ZX, 0B9C8ZZ, 0B9D8ZZ, 0B9F8ZZ, 0B9G8ZZ, 0B9H8ZZ, 0B9J8ZZ, 0B9K8ZZ, 0B9L8ZZ, 0B9M8ZZ, 0B9C8ZX, 0B9D8ZX, 0B9F8ZX, 0B9G8ZX, 0B9H8ZX, 0B9J8ZX, 0B9K8ZX, 0B9L8ZX, 0B9M8ZX, 0BBC4ZZ, 0BBD4ZZ, 0BBF4ZZ, 0BBG4ZZ, 0BBH4ZZ, 0BBJ4ZZ, 0BBK4ZZ, 0BBL4ZZ, 0BBM4ZZ, 0BBC4ZX, 0BBD4ZX, 0BBF4ZX, 0BBG4ZX, 0BBH4ZX, 0BBJ4ZX, 0BBK4ZX, 0BBL4ZX, 0BBM4ZX, 0BBC8ZZ, 0BBD8ZZ, 0BBF8ZZ, 0BBG8ZZ, 0BBH8ZZ, 0BBJ8ZZ, 0BBK8ZZ, 0BBL8ZZ, 0BBM8ZZ, 0BBC8ZX, 0BBD8ZX, 0BBF8ZX, 0BBG8ZX, 0BBH8ZX, 0BBJ8ZX, 0BBK8ZX, 0BBL8ZX, 0BBM8ZX, |  |
| Bronchoscopy, rigid or flexible, including fluoroscopic guidance, when performed; diagnostic, with cell washing, when performed (separate procedure) |  |  | 31621, 31622, 31650 |
| Bronchoscopy, rigid or flexible, including fluoroscopic guidance, when performed; with brushing or protected brushings |  |  | 31623 |
| Bronchoscopy, rigid or flexible, including fluoroscopic guidance, when performed; with bronchial alveolar lavage |  |  | 31624 |
| Bronchoscopy, rigid or flexible, including fluoroscopic guidance, when performed; with bronchial or endobronchial biopsy(s), single or multiple sites |  |  | 31625 |
| Bronchoscopy, rigid or flexible, including fluoroscopic guidance, when performed; with placement of fiducial markers, single or multiple |  |  | 31626 |
| Bronchoscopy, rigid or flexible, including fluoroscopic guidance, when performed; with computer-assisted, image-guided navigation (List separately in addition to code for primary procedure[s]) |  |  | 31627 |
| Bronchoscopy, rigid or flexible, including fluoroscopic guidance, when performed; with transbronchial lung biopsy(s), single lobe |  |  | 31628 |
| Bronchoscopy, rigid or flexible, including fluoroscopic guidance, when performed; with transbronchial needle aspiration biopsy(s), trachea, main stem and/or lobar bronchus(i) |  |  | 31629 |
| Bronchoscopy, rigid or flexible, including fluoroscopic guidance, when performed; with transbronchial lung biopsy(s), each additional lobe (List separately in addition to code for primary procedure) |  |  | 31632 |
| Bronchoscopy, rigid or flexible, including fluoroscopic guidance, when performed; with transbronchial needle aspiration biopsy(s), each additional lobe (List separately in addition to code for primary procedure) |  |  | 31633 |
| Bronchoscopy, rigid or flexible, including fluoroscopic guidance, when performed; with endobronchial ultrasound (EBUS) guided transtracheal and/or transbronchial sampling (eg, aspiration[s]/biopsy[ies]), 3 or more mediastinal and/or hilar lymph node stations or structures |  |  | 31652 |
| Bronchoscopy, rigid or flexible, including fluoroscopic guidance, when performed; with transendoscopic endobronchial ultrasound (EBUS) during bronchoscopic diagnostic or therapeutic intervention(s) for peripheral lesion(s) (List separately in addition to code for primary procedure[s]) |  |  | 31653 |
|  |  |  |  |
| **Surgical procedures:** |  |  |  |
| Thoracoscopic excision of lesion or tissue of lung | 32.20 | 0B910ZZ, 0B920ZZ, 0B930ZZ, 0B940ZZ, 0B950ZZ, 0B960ZZ, 0B970ZZ, 0B980ZZ, 0B990ZZ, 0B9B0ZZ, 0B9C0ZZ, 0B9D0ZZ, 0B9F0ZZ, 0B9G0ZZ, 0B9H0ZZ, 0B9J0ZZ, 0B9K0ZZ, 0B9L0ZZ, 0B9M0ZZ, 0B910ZX, 0B920ZX, 0B930ZX, 0B940ZX, 0B950ZX, 0B960ZX, 0B970ZX, 0B980ZX, 0B990ZX, 0B9B0ZX, 0B9C0ZX, 0B9D0ZX, 0B9F0ZX, 0B9G0ZX, 0B9H0ZX, 0B9J0ZX, 0B9K0ZX, 0B9L0ZX, 0B9M0ZX, |  |
| Thoracoscopy, surgical; with lobectomy (single lobe) | 32.41 | 0BTC0ZZ, 0BTD0ZZ, 0BTF0ZZ, 0BTG0ZZ, 0BTH0ZZ, 0BTJ0ZZ, 0BTK0ZZ, 0BTL0ZZ, | 32663, 32670 |
| Thoracoscopic lung biopsy | 33.20 | 0BB10ZZ, 0BB20ZZ, 0BB30ZZ, 0BB40ZZ, 0BB50ZZ, 0BB60ZZ, 0BB70ZZ, 0BB80ZZ, 0BB90ZZ, 0BBB0ZZ, 0BBC0ZZ, 0BBD0ZZ, 0BBF0ZZ, 0BBG0ZZ, 0BBH0ZZ, 0BBJ0ZZ, 0BBK0ZZ, 0BBM0ZZ, 0BB10ZX, 0BB20ZX, 0BB30ZX, 0BB40ZX, 0BB50ZX, 0BB60ZX, 0BB70ZX, 0BB80ZX, 0BB90ZX, 0BBB0ZX, 0BBC0ZX, 0BBD0ZX, 0BBF0ZX, 0BBG0ZX, 0BBH0ZX, 0BBJ0ZX, 0BBK0ZX, 0BBM0ZX, 0BBN0ZX, 0BBP0ZX, 0BBR0ZX, 0BBS0ZX, 0BBN0ZZ, 0BBP0ZZ, 0BBR0ZZ, 0BBS0ZZ, , |  |
| Thoracotomy; with exploration | 34.02 | 0WJ80ZZ, 0WJC0ZZ, 0WJ90ZZ, 0WJB0ZZ, 0WJP0ZZ, 0BJ00ZZ, 0BJ10ZZ, 0BJK0ZZ, 0BJL0ZZ, 0BJQ0ZZ, 0BJT0ZZ | 32100 |
| Thoracoscopy, diagnostic (separate procedure); lungs, pericardial sac, mediastinal or pleural space, without biopsy | 34.21 | 0WJ93ZZ, 0WJB3ZZ, 0WJC3ZZ, 0WJD3ZZ, 0WJQ3ZZ, 0WJ94ZZ, 0WJB4ZZ, 0WJC4ZZ, 0WJD4ZZ, 0WJQ4ZZ, 0BJ14ZZ, 0BJK4ZZ, 0BJL4ZZ, 0BJQ4ZZ, 0BJT4ZZ, 0BJ18ZZ, 0BJK8ZZ, 0BJL8ZZ, 0BJQ8ZZ, 0BJT8ZZ, | 32601, 32603, 32605 |
| Mediastinoscopy | 34.22 | 0WJC4ZZ, 0WJQ4ZZ, 0WJQ8ZZ, 0WJQ7ZZ, 0WJD3ZZ, 0WJD4ZZ, |  |
| Thoracotomy; with therapeutic wedge resection (eg, mass or nodule), each additional resection, ipsilateral (List separately in addition to code for primary procedure) |  |  | 30506 |
| Thoracotomy; with diagnostic wedge resection followed by anatomic lung resection (List separately in addition to code for primary procedure) |  |  | 30507 |
| Thoracotomy, with diagnostic biopsy(ies) of lung infiltrate(s) (eg, wedge, incisional), unilateral |  |  | 32095, 32096 |
| Thoracotomy, with diagnostic biopsy(ies) of lung nodule(s) or mass(es) (eg, wedge, incisional), unilateral |  |  | 32097 |
| Thoracoscopy; with diagnostic biopsy(ies) of lung infiltrate(s) (eg, wedge, incisional), unilateral |  |  | 32602, 32607 |
| Thoracoscopy, diagnostic (separate procedure); pericardial sac, with biopsy |  |  | 32604 |
| Thoracoscopy, diagnostic (separate procedure); mediastinal space, with biopsy |  |  | 32606, 32700, 32705 |
| Thoracoscopy; with diagnostic biopsy(ies) of lung nodule(s) or mass(es) (eg, wedge, incisional), unilateral |  |  | 32608 |
| Thoracoscopy; with biopsy(ies) of pleura |  |  | 32609 |
| Thoracotomy, with biopsy(ies) of pleura |  |  | 32402, 32098 |
| Thoracotomy; with therapeutic wedge resection (eg, mass, nodule), initial  |  |  | 32500, 32505 |
| Thoracoscopy, surgical; with therapeutic wedge resection (eg, mass, nodule), initial unilateral |  |  | 32657, 32666 |
| Thoracoscopy, surgical; with therapeutic wedge resection (eg, mass or nodule), each additional resection, ipsilateral (List separately in addition to code for primary procedure) |  |  | 32667 |
| Thoracoscopy, surgical; with diagnostic wedge resection followed by anatomic lung resection (List separately in addition to code for primary procedure) |  |  | 32668 |
| Thoracoscopy, surgical; with removal of a single lung segment (segmentectomy) | 32.30 | 0BBC7ZZ, 0BBD7ZZ, 0BBF7ZZ, 0BBG7ZZ, 0BBH7ZZ, 0BBJ7ZZ, 0BBK7ZZ, 0BBL7ZZ, 0BBM7ZZ, 0BBC7ZX, 0BBD7ZX, 0BBF7ZX, 0BBG7ZX, 0BBH7ZX, 0BBJ7ZX, 0BBK7ZX, 0BBL7ZX, 0BBM7ZX, 0BBC8ZZ, 0BBD8ZZ, 0BBF8ZZ, 0BBG8ZZ, 0BBH8ZZ, 0BBJ8ZZ, 0BBK8ZZ, 0BBL8ZZ, 0BBM8ZZ, 0BBC8ZX, 0BBD8ZX, 0BBF8ZX, 0BBG8ZX, 0BBH8ZX, 0BBJ8ZX, 0BBK8ZX, 0BBL8ZX, 0BBM8ZX, | 32669 |
| Thoracoscopy, surgical; with removal of two lobes (bilobectomy) |  |  | 32670 |
| Thoracoscopy, surgical; with mediastinal and regional lymphadenectomy (List separately in addition to code for primary procedure) |  |  | 32674 |
| Mediastinotomy with exploration, drainage, removal of foreign body, or biopsy; cervical approach |  |  | 39000 |
| Mediastinotomy with exploration, drainage, removal of foreign body, or biopsy; transthoracic approach, including either transthoracic or median sternotomy |  |  | 39010 |
| Mediastinoscopy, includes biopsy(ies), when performed |  |  | 39400 |
| Mediastinoscopy; includes biopsy(ies) of mediastinal mass (eg, lymphoma), when performed |  |  | 39401 |
| Mediastinoscopy; with lymph node biopsy(ies) (eg, lung cancer staging) |  |  | 39402 |
| Other local excision or destruction of lesion or tissue of lung | 32.29 | 0B510ZZ, 0B520ZZ, 0B530ZZ, 0B540ZZ, 0B550ZZ, 0B560ZZ, 0B570ZZ, 0B580ZZ, 0B590ZZ, 0B5B0ZZ, 0B5C0ZZ, 0B5D0ZZ, 0B5F0ZZ, 0B5G0ZZ, 0B5H0ZZ, 0B5J0ZZ, 0B5K0ZZ, 0B5L0ZZ, 0B5M0ZZ, 0B513ZZ, 0B523ZZ, 0B533ZZ, 0B543ZZ, 0B553ZZ, 0B563ZZ, 0B573ZZ, 0B583ZZ, 0B593ZZ, 0B5B3ZZ, 0B5C3ZZ, 0B5D3ZZ, 0B5F3ZZ, 0B5G3ZZ, 0B5H3ZZ, 0B5J3ZZ, 0B5K3ZZ, 0B5L3ZZ, 0B5M3ZZ, 0B514ZZ, 0B524ZZ, 0B534ZZ, 0B544ZZ, 0B554ZZ, 0B564ZZ, 0B574ZZ, 0B584ZZ, 0B594ZZ, 0B5B4ZZ, 0B5C4ZZ, 0B5D4ZZ, 0B5F4ZZ, 0B5G4ZZ, 0B5H4ZZ, 0B5J4ZZ, 0B5K4ZZ, 0B5L4ZZ, 0B5M4ZZ, 0B517ZZ, 0B527ZZ, 0B537ZZ, 0B547ZZ, 0B557ZZ, 0B567ZZ, 0B577ZZ, 0B587ZZ, 0B597ZZ, 0B5B7ZZ, 0B5C7ZZ, 0B5D7ZZ, 0B5F7ZZ, 0B5G7ZZ, 0B5H7ZZ, 0B5J7ZZ, 0B5K7ZZ, 0B5L7ZZ, 0B5M7ZZ, 0B518ZZ, 0B528ZZ, 0B538ZZ, 0B548ZZ, 0B558ZZ, 0B568ZZ, 0B578ZZ, 0B588ZZ, 0B598ZZ, 0B5B8ZZ, 0B5C8ZZ, 0B5D8ZZ, 0B5F8ZZ, 0B5G8ZZ, 0B5H8ZZ, 0B5J8ZZ, 0B5K8ZZ, 0B5L8ZZ, 0B5M8ZZ, |  |
| Removal of lung, other than pneumonectomy; with all remaining lung following previous removal of a portion of lung (completion pneumonectomy) | 32.39 | 0BT30ZZ, 0BT40ZZ, 0BT50ZZ, 0BT60ZZ, 0BT70ZZ, 0BT80ZZ, 0BT90ZZ, 0BTB0ZZ, 0BTC0ZZ, 0BTD0ZZ, 0BTF0ZZ, 0BTG0ZZ, 0BTH0ZZ, 0BTJ0ZZ, 0BTK0ZZ, 0BTL0ZZ, 0BTM0ZZ, 0BT34ZZ, 0BT44ZZ, 0BT54ZZ, 0BT64ZZ, 0BT74ZZ, 0BT84ZZ, 0BT94ZZ, 0BTB4ZZ, 0BTC4ZZ, 0BTD4ZZ, 0BTF4ZZ, 0BTG4ZZ, 0BTH4ZZ, 0BTJ4ZZ, 0BTK4ZZ, 0BTL4ZZ, 0BTM4ZZ, | 32484, 32488 |
| Other lobectomy of lung | 32.49 | 0BTC0ZZ, 0BTD0ZZ, 0BTF0ZZ, 0BTG0ZZ, 0BTH0ZZ, 0BTJ0ZZ, 0BTK0ZZ, 0BTL0ZZ, |  |
| Open biopsy of bronchus | 33.25 | 0BB10ZZ, 0BB20ZZ, 0BB30ZZ, 0BB40ZZ, 0BB50ZZ, 0BB60ZZ, 0BB70ZZ, 0BB80ZZ, 0BB90ZZ, 0BBB0ZZ, 0BB10ZX, 0BB20ZX, 0BB30ZX, 0BB40ZX, 0BB50ZX, 0BB60ZX, 0BB70ZX, 0BB80ZX, 0BB90ZX, 0BBB0ZX, 0B9100Z, 0B9200Z, 0B9300Z, 0B9400Z, 0B9500Z, 0B9600Z, 0B9700Z, 0B9800Z, 0B9900Z, 0B9B00Z, 0B910ZZ, 0B920ZZ, 0B930ZZ, 0B940ZZ, 0B950ZZ, 0B960ZZ, 0B970ZZ, 0B980ZZ, 0B990ZZ, 0B9B0ZZ, 0B910ZX, 0B920ZX, 0B930ZX, 0B940ZX, 0B950ZX, 0B960ZX, 0B970ZX, 0B980ZX, 0B990ZX, 0B9B0ZX, |  |
| Removal of lung, other than pneumonectomy; single lobe (lobectomy) |  |  | 32480 |
| Removal of lung, other than pneumonectomy; 2 lobes (bilobectomy) |  |  | 32482 |
| Removal of lung, other than pneumonectomy; with circumferential resection of segment of bronchus followed by broncho-bronchial anastomosis (sleeve lobectomy) |  |  | 32486 |
| Resection of lung; with resection of chest wall |  |  | 32520 |
| Resection of lung; with reconstruction of chest wall, without prosthesis |  |  | 32522 |
| Resection of lung; with major reconstruction of chest wall, with prosthesis |  |  | 32525 |
|  |  |  |  |
| **Other Surgical procedures:**  |  |  |  |
|  |  |  |  |
| Open biopsy of lung | 33.28 | 0BBC0ZZ, 0BBD0ZZ, 0BBF0ZZ, 0BBG0ZZ, 0BBH0ZZ, 0BBJ0ZZ, 0BBK0ZZ, 0BBL0ZZ, 0BBM0ZZ, 0BBC0ZX, 0BBD0ZX, 0BBF0ZX, 0BBG0ZX, 0BBH0ZX, 0BBJ0ZX, 0BBK0ZX, 0BBL0ZX, 0BBM0ZX, 0B9C00Z, 0B9D00Z, 0B9F00Z, 0B9G00Z, 0B9H00Z, 0B9J00Z, 0B9K00Z, 0B9L00Z, 0B9M00Z, 0B9C0ZZ, 0B9D0ZZ, 0B9F0ZZ, 0B9G0ZZ, 0B9H0ZZ, 0B9J0ZZ, 0B9K0ZZ, 0B9L0ZZ, 0B9M0ZZ, 0B9C0ZX, 0B9D0ZX, 0B9F0ZX, 0B9G0ZX, 0B9H0ZX, 0B9J0ZX, 0B9K0ZX, 0B9L0ZX, 0B9M0ZX, |  |
| Radical dissection of thoracic structures | 32.6 | 01B30ZZ,01BL0ZZ, 0BN10ZZ, 0BN20ZZ, 0BN30ZZ, 0BN40ZZ, 0BN50ZZ, 0BN60ZZ, 0BN70ZZ, 0BN80ZZ, 0BN90ZZ, 0BNB0ZZ, 0BNC0ZZ, 0BND0ZZ, 0BNF0ZZ, 0BNG0ZZ, 0BNH0ZZ, 0BNJ0ZZ, 0BNK0ZZ, 0BNL0ZZ, 0BNM0ZZ, 0BNN0ZZ, 0BNP0ZZ, 0BNR0ZZ, 0BNS0ZZ, |  |
| Resection of apical lung tumor (eg, Pancoast tumor), including chest wall resection, rib(s) resection(s), neurovascular dissection, when performed; without chest wall reconstruction(s) |  |  | 32503 |
| Resection of apical lung tumor (eg, Pancoast tumor), including chest wall resection, rib(s) resection(s), neurovascular dissection, when performed; with chest wall reconstruction |  |  | 32504 |
| Biopsy or excision of lymph node(s); open, superficial | 40.23 | 079100Z, 079200Z, 079500Z, 079600Z, 079700Z, 079800Z, 079900Z, 079D00Z, 079K00Z, 079M00Z, 079130Z, 079230Z, 079530Z, 079630Z, 079730Z, 079830Z, 079930Z, 079D30Z, 079K30Z, 079M30Z, 079140Z, 079240Z, 079540Z, 079640Z, 079740Z, 079840Z, 079940Z, 079D40Z, 079K40Z, 079M40Z, 07910ZZ, 07920ZZ, 07950ZZ, 07960ZZ, 07970ZZ, 07980ZZ, 07990ZZ, 079D0ZZ, 079K0ZZ, 079M0ZZ, 07913ZZ, 07923ZZ, 07953ZZ, 07963ZZ, 07973ZZ, 07983ZZ, 07993ZZ, 079D3ZZ, 079K3ZZ, 079M3ZZ, 07914ZZ, 07924ZZ, 07954ZZ, 07964ZZ, 07974ZZ, 07984ZZ, 07994ZZ, 079D4ZZ, 079K4ZZ, 079M4ZZ, 07910ZX, 07920ZX, 07950ZX, 07960ZX, 07970ZX, 07980ZX, 07990ZX, 079D0ZX, 079K0ZX, 079M0ZX, 07913ZX, 07923ZX, 07953ZX, 07963ZX, 07973ZX, 07983ZX, 07993ZX, 079D3ZX, 079K3ZX, 079M3ZX, 07914ZX, 07924ZX, 07954ZX, 07964ZX, 07974ZX, 07984ZX, 07994ZX, 079D4ZX, 079K4ZX, 079M4ZX, 07B10ZX, 07B20ZX, 07B50ZX, 07B60ZX, 07B70ZX, 07B80ZX, 07B90ZX, 07BD0ZX, 07BK0ZX, 07BM0ZX, 07B10ZZ, 07B20ZZ, 07B50ZZ, 07B60ZZ, 07B70ZZ, 07B80ZZ, 07B90ZZ, 07BD0ZZ, 07BK0ZZ, 07BM0ZZ, 07B13ZX, 07B23ZX, 07B53ZX, 07B63ZX, 07B73ZX, 07B83ZX, 07B93ZX, 07BD3ZX, 07BK3ZX, 07BM3ZX, 07B13ZZ, 07B23ZZ, 07B53ZZ, 07B63ZZ, 07B73ZZ, 07B83ZZ, 07B93ZZ, 07BD3ZZ, 07BK3ZZ, 07BM3ZZ, 07B14ZX, 07B24ZX, 07B54ZX, 07B64ZX, 07B74ZX, 07B84ZX, 07B94ZX, 07BD4ZX, 07BK4ZX, 07BM4ZX, 07B14ZZ, 07B24ZZ, 07B54ZZ, 07B64ZZ, 07B74ZZ, 07B84ZZ, 07B94ZZ, 07BD4ZZ, 07BK4ZZ, 07BM4ZZ, | 38500 |
|  |  |  |  |
| Biopsy or excision of lymph node(s); open, deep cervical node(s) |  |  | 38510 |
| Biopsy or excision of lymph node(s); open, deep cervical node(s) with excision scalene fat pad |  |  | 38520 |
| Biopsy or excision of lymph node(s); open, deep axillary node(s) |  |  | 38525 |
| Radical excision of cervical lymph nodes | 40.40, 40.41, 40.42 | 07T10ZZ, 07T14ZZ, 07T20ZZ, 07T24ZZ, | 38720, 38724 |
| Axillary lymphadenectomy; superficial | 40.51 | 07T50ZZ, 07T54ZZ, 07T60ZZ, 07T64ZZ | 38740 |
| Axillary lymphadenectomy; complete |  |  | 38745 |

Abbreviations: CPT (current procedural terminology), ICD (international classification of diseases)