

Local Coverage Determination (LCD): Pulmonary Function Testing (L34247)

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Contractor Information

Contractor Name	Contract Type	Contract Number	Jurisdiction	State(s)
Noridian Healthcare Solutions, LLC	A and B MAC	01112 - MAC B	J - E	California - Northern
Noridian Healthcare Solutions, LLC	A and B MAC	01182 - MAC B	J - E	California - Southern American Samoa Guam Hawaii Northern Mariana Islands Nevada
Noridian Healthcare Solutions, LLC	A and B MAC	01212 - MAC B	J - E	
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LCD Information

Document Information

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CMS National Coverage Policy

Title XVIII of the Social Security Act (SSA), §1862(a)(1)(A), states that no Medicare payment shall be made for items or services that "are not reasonable and necessary for the diagnosis or treatment of illness or injury or to improve the functioning of a malformed body member."

Title XVIII of the Social Security Act, §1862(a)(7) and 42 Code of Federal Regulations (CFR), §411.15, exclude routine physical examinations.

Title XVIII of the Social Security Act, §1833(e), prohibits Medicare payment for any claim lacking the necessary documentation to process the claim.

42 CFR §410.32 and §410.33, indicate that diagnostic tests are payable only when ordered by the physician who is treating the beneficiary for a specific medical problem and who uses the results in such treatment.

CMS Manual System, Publication 100-08, *Medicare Program Integrity Manual*, Chapter 3, §3.2.3.3, Third-party Additional Documentation Request.

CMS Manual System, Publication 100-08, *Medicare Program Integrity Manual*, Chapter 15, Enrollment, §§15.5.19 - 15.5.19.7 Independent Diagnostic Testing Facilities Standards. See also 42 CFR 410.33.

CMS Manual System, Publication 100-02, *Medicare Benefit Policy Manual*, Chapter 15, §§60 and 80, indicate that the technical component of diagnostic tests are not covered as "incident-to" physician healthcare services, but under a distinct coverage category and subject to supervision levels found in the Physician Fee Schedule database. See also 42 CFR §§410.32 and 410.33.

Ruling of the Administrator 95-1 (HCFA Ruling 95-1), binding on providers, contractors, and Administrative Law Judges, states that by virtue of their licensure and practice, providers are responsible for knowing norms of community practice.

CMS Manual System, Publication 100-08, *Medicare Program Integrity Manual*, Chapter 3, §3.4.1.3., Diagnosis Code Requirement.

Coverage Guidance

Coverage Indications, Limitations, and/or Medical Necessity

Pulmonary Function Tests

Pulmonary Function Tests (PFTs) are a broad range of diagnostic procedures that measure two components of the respiratory system's functional status: 1) the mechanical ability to move air in and out of the lungs, and 2) the effectiveness of providing oxygen to the body and removing carbon dioxide.

Pulmonary function tests are divided into five general areas:

- Spirometry,
- Lung Volume,
- Diffusion Capacity,
- Lung compliance, and
- Pulmonary Studies during Exercise Testing.

General indications for any of the pulmonary function tests include:

- To determine the presence of lung disease or abnormality of lung function,
- To determine the type of abnormality,
- To determine the extent of abnormality,
- To determine the extent of disability due to abnormal lung function, and
- To determine and evaluate one or more courses of therapy in the treatment of the particular condition.

General limitations for any of the pulmonary function tests include:

- All diagnostic tests payable by Medicare must be ordered by a treating physician and used in patient care. Community standards always apply.
- The various modalities to assess pulmonary function must be used in a purposeful and logical sequence.
- Tests performed as components rather than as a single test will be denied.
- CPT 94664 is intended for device "demonstration and/or evaluation" and will be usually paid for once per beneficiary for the same provider or group. (Occasional extenuating circumstances, new equipment, etc, may merit two sessions or other repeat training or evaluation. Simple follow-up observation during an E/M exam for pulmonary disease is not a stand-alone procedure, unless the E/M session is not billed).
- **Medicare does not cover screening tests.** Medicare coverage excludes routine (screening) tests for asymptomatic patients with or without high risk of lung disease (e.g., prolonged smoking history). It also excludes studies as part of a routine exam, and studies as part of an epidemiological survey.

Medical necessity is an overriding requirement for Medicare coverage of diagnostic testing. When a diagnosis or evaluation can be made clinically or when test results are not necessary to manage the patient's disease, then Pulmonary Function Testing is not reasonable and necessary. In addition, on routine visits for other medical conditions, when a patient claims to be stable or does not report clinically meaningful changes in pulmonary status, and physical exam and interview confirm this, repeat testing is unlikely to be necessary. Noridian has found that in many patients routine use of PFTs at each office visit is not a necessary and reasonable clinical practice and as such, cannot be reimbursed.

Providers should pay particular attention to guidelines for the usage of the following CPT codes relative to Medicare's standards of reasonable and necessary care: 94070, 94200, 94640, 94726, 94727, 94729 and 94750.

1. Spirometry:

Spirometry is performed by having the patient breathe into a mouthpiece that is connected to an instrument called a spirometer. The spirometer records the amount of air and the rate that it is breathed in and out over a specified amount of time (approximately 10 seconds). Some of the test measurements are obtained by normal breathing and other measurements require forced inhalation and exhalation.

Spirometry is most useful for assessing obstructive lung diseases such as asthma and chronic obstructive pulmonary disease (COPD).

CPT codes for Spirometry include 94010, 94011, 94012, 94060, 94070, 94150, 94200, 94375, 94726 and 94727. Routine and/or repetitive billing for unnecessary batteries of tests is not clinically reasonable.

Specific indications for spirometry include:

Diagnostic indications:

- Detect the presence or absence of lung dysfunction suggested by history or clinically significant physical signs and symptoms,
- Detect the presence or absence of lung dysfunction suggested by other abnormal diagnostic tests (e.g., radiography, arterial blood gas analysis).

Monitoring indications:

- Quantify the severity of known lung disease,
- Assess the change in lung function over time,
- Assess the change in lung function following administration of or a change in therapy,
- Assess the risk for surgical procedures known to affect lung function.

Limitations to performing spirometry are:

- Routine or repetitive batteries of tests are not clinically reasonable.

- In many scenarios, simple spirometry is a mainstay of pulmonary function testing and is usually sufficient to differentiate between obstructive and restrictive disorders and evaluate their severity. Extensive testing may often not be necessary for adequate clinical assessment.
- Post-bronchodilator spirometry is used to evaluate the reversible component of bronchospasm and to determine if the patient is a bronchodilator therapy candidate. Claims for CPT code 94060 will be subject to medical review as follows: there are clinical signs and symptoms consistent with bronchospasm; or spirometry without bronchodilator is abnormal; or reversibility or nonreversibility of bronchospasm has not been demonstrated. Repeat studies are covered only with clinically significant change, necessitating adjustment/augmentation of therapy, appropriately documented.
- General clinical contraindications to spirometry include: hemoptysis of unknown origin, pneumothorax, unstable cardiovascular status, thoracic/abdominal or cerebral aneurysms, recent eye surgery, recent thoracic or abdominal surgery, and presence of acute disease processes that interfere with test performance.

2. Lung volume

The entire lung volume is not measured by simple spirometry because it is larger than the air quantity exhaled/inhaled. Lung volume is measured when a person breathes nitrogen or helium gas through a tube for a specified period of time. The change in concentration of the gas in a chamber attached to the tube is measured before and after test breathing, allowing estimation of the lung volume. Measures include total lung capacity, residual volume, and functional residual capacity.

Lung volume tests are most useful for assessing restrictive lung diseases such as those caused by scarring inside the lungs or by abnormalities in the ribcage or muscles of the chest wall.

CPT codes for lung volume determination are 94013, 94250, 94726, 94727, and 94728. CPT code 94750 may be added when clinically relevant (see Section 4).

Indications for a lung volume test are as follows, when consistent with community standards of reasonable clinical practice:

- Evaluation of the type and degree of pulmonary dysfunction,
- Evaluation of dyspnea, cough, and other symptoms,
- Early detection of lung dysfunction,
- Follow-up and response to therapy,
- Preoperative evaluation,
- Track pulmonary disease progression,
- Assess the effectiveness of therapy for pulmonary conditions,
- Pre and post-op evaluations for Lung Volume Reduction Surgery (LVRS).

Limitations to performing a lung volume test are:

- Functional Residual Capacity (FRC) may be artificially high if the measurement is taken at a higher lung volume secondary to pain or anxiety,
- Subject cooperation is necessary,
- A complete evaluation may require the use of inhaled gases,
- Repetitive testing of total lung volume is not usually clinically necessary.

3. Diffusion Capacity

Diffusion capacity is measured when a person breathes in a measured amount of carbon monoxide for a very short time (often just one breath). While breathing out, the concentration of carbon monoxide is measured. The difference in the amount of carbon monoxide inhaled and the amount exhaled allows estimation of how rapidly gases can travel from the lungs into the blood.

Diffusion capacity tests are most useful for the assessment of how well the lung tissues transfer oxygen from the air inside the lungs, across thin membranes, into the blood.

CPT codes for diffusion capacity include 94729.

Indications for diffusion capacity (DLCO) are as follows, when consistent with community standards of reasonable clinical practice:

- Evaluate and follow up parenchymal lung diseases associated with dusts or drug reactions or Sarcoidosis,
- Evaluate and follow up emphysema and cystic fibrosis,
- Differentiate between chronic bronchitis, emphysema, and asthma in patient with obstructive patterns,
- Evaluate the pulmonary involvement in systemic diseases (e.g., rheumatoid arthritis, systemic lupus),
- Help in the evaluation of some types of cardiovascular disease (e.g., primary pulmonary hypertension, pulmonary edema, acute or recurrent thromboembolism),
- Predict arterial desaturation during exercise in chronic obstructive pulmonary disease,
- Evaluate and quantify the disability associated with interstitial lung disease,
- Evaluate the effects of chemotherapy agents or other drugs known to induce pulmonary dysfunction,
- Evaluate hemorrhagic disorders.

Limitations to performing a diffusion capacity test are:

- Mental confusion or muscular incoordination preventing the subject from adequately performing the maneuver,
- Single breath DLCO requires breath holding at maximal inhalation. Some patients may be limited by syncopal symptoms triggered by an associated Valsalva or Muller maneuver which may slow the heart rate.

4. Lung Compliance

Lung compliance studies are performed only when all other PFTs give equivocal results or results which must be confirmed by additional lung compliance testing. Lung compliance measures the elastic recoil/stiffness of the lungs. It is more invasive than other PFTs, because the patient is required to swallow an esophageal balloon.

The CPT code for lung compliance testing is 94750.

5. Pulmonary Studies during Exercise Testing

Pulmonary stress testing is done in two (2) forms.

- The simple pulmonary stress testing (CPT code 94617 and 94618) is a test that allows quantification of workload and heart rate activity, while measuring the degree of oxygen desaturation. This test is undertaken to measure the degree of hypoxemia or desaturation that occurs with exertion. CPT code 94617 and 94618 is also used to optimize titration of supplemental oxygen for the correction of hypoxemia.
- A more complex protocol involves the measurements of oxygen uptake, CO₂ production, and O₂. This is defined by CPT code 94621. Indications for this protocol include the following:
 - To distinguish between cardiac and pulmonary causes for dyspnea;
 - To determine the need for and dose of ambulatory oxygen;
 - To assist in developing a safe exercise prescription for patients with cardiovascular or pulmonary disease;
 - To predict the morbidity of lung resection; or
 - To titrate optimal settings in selected patients who have physiologic pacemakers.

CPT codes for pulmonary stress testing include 94617, 94618 and 94621.

Qualifications of personnel

Personnel who perform all pulmonary function tests should have verifiable training in all aspects of spirometry, lung volume, diffusion capacity, lung compliance, and pulmonary exercise testing, including equipment operation, quality control, and test outcomes relative to diagnosis and medical history.

This A/B MAC would anticipate that clinical practices with heavy emphasis on extensive batteries of complex pulmonary function tests and primary focus on treating severe pulmonary disease would often be managed by pulmonologists or by other physicians with specialized experience in respiratory disorders, and that such pulmonary testing centers would often have staff with specific training in respiratory therapy (for example, associate degree in respiratory therapy, licensure as a Respiratory Care Practitioner, or National Board of Respiratory Care (NBRC) certification).

According to National Regulations, clinics which are (a) not physician owned and which are (b) billing Medicare

primarily for diagnostic tests may be required to enroll as IDTFs. For example, a nonphysician owner who establishes a diagnostic PFT clinic by leasing office space, equipment, and hiring technicians, and hires a retired ophthalmologist to provide off-site (general) supervision of diagnostic testing without treatment would be more appropriately enrolled as an IDTF.

Summary of Evidence

NA

Analysis of Evidence (Rationale for Determination)

NA

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Coding Information

Bill Type Codes:

Contractors may specify Bill Types to help providers identify those Bill Types typically used to report this service. Absence of a Bill Type does not guarantee that the policy does not apply to that Bill Type. Complete absence of all Bill Types indicates that coverage is not influenced by Bill Type and the policy should be assumed to apply equally to all claims.

999x Not Applicable

Revenue Codes:

Contractors may specify Revenue Codes to help providers identify those Revenue Codes typically used to report this service. In most instances Revenue Codes are purely advisory. Unless specified in the policy, services reported under other Revenue Codes are equally subject to this coverage determination. Complete absence of all Revenue Codes indicates that coverage is not influenced by Revenue Code and the policy should be assumed to apply equally to all Revenue Codes.

99999 Not Applicable

CPT/HCPCS Codes

Group 1 Paragraph: N/A

Group 1 Codes:

94010 Breathing capacity test
94011 Spirometry up to 2 yrs old
94012 Spirmtry w/brnchdil inf-2 yr
94013 Meas lung vol thru 2 yrs
94060 Evaluation of wheezing
94070 Evaluation of wheezing
94150 Vital capacity test
94200 Lung function test (mbc/mvv)
94250 Expired gas collection
94375 Respiratory flow volume loop
94400 Co2 breathing response curve

94450 Hypoxia response curve
 94617 Exercise tst brncpsm
 94618 Pulmonary stress testing
 94621 Cardiopulm exercise testing
 94640 Airway inhalation treatment
 94664 Evaluate pt use of inhaler
 94680 Exhaled air analysis o2
 94681 Exhaled air analysis o2/co2
 94690 Exhaled air analysis
 94726 Pulm funct tst plethysmograp
 94727 Pulm function test by gas
 94728 Pulm funct test oscillometry
 94729 Co/membrane diffuse capacity
 94750 Pulmonary compliance study

ICD-10 Codes that Support Medical Necessity

Group 1 Paragraph:

Section A - The following ICD-10-CM codes are covered for CPT codes 94010, 94011, 94012, 94013, 94060, 94150, 94200, 94250, 94375, 94400, 94450, 94640, 94664, 94680, 94681, 94690, 94726, 94727, 94728, 94729 and 94750:

See Indications section for utilization of CPT code 94664.

Group 1 Codes:

ICD-10 Codes	Description
A15.0	Tuberculosis of lung
A15.4	Tuberculosis of intrathoracic lymph nodes
A15.5	Tuberculosis of larynx, trachea and bronchus
A15.6	Tuberculous pleurisy
A15.7	Primary respiratory tuberculosis
A15.8	Other respiratory tuberculosis
A18.01	Tuberculosis of spine
A19.0	Acute miliary tuberculosis of a single specified site
A19.1	Acute miliary tuberculosis of multiple sites
A19.8	Other miliary tuberculosis
A31.0	Pulmonary mycobacterial infection
A42.0	Pulmonary actinomycosis
A43.0	Pulmonary nocardiosis
A80.39	Other acute paralytic poliomyelitis
B38.0	Acute pulmonary coccidioidomycosis
B38.1	Chronic pulmonary coccidioidomycosis
B40.0	Acute pulmonary blastomycosis
B40.1	Chronic pulmonary blastomycosis
B40.7	Disseminated blastomycosis
B40.81	Blastomycotic meningoencephalitis
B40.89	Other forms of blastomycosis
B42.0	Pulmonary sporotrichosis
B42.7	Disseminated sporotrichosis
B42.81	Cerebral sporotrichosis
B42.82	Sporotrichosis arthritis
B42.89	Other forms of sporotrichosis
B44.81	Allergic bronchopulmonary aspergillosis
B45.0	Pulmonary cryptococcosis
B45.1	Cerebral cryptococcosis
B45.3	Osseous cryptococcosis
B45.7	Disseminated cryptococcosis
B45.8	Other forms of cryptococcosis
B58.3	Pulmonary toxoplasmosis

ICD-10 Codes	Description
B91	Sequelae of poliomyelitis
C33	Malignant neoplasm of trachea
C34.01	Malignant neoplasm of right main bronchus
C34.02	Malignant neoplasm of left main bronchus
C34.11	Malignant neoplasm of upper lobe, right bronchus or lung
C34.12	Malignant neoplasm of upper lobe, left bronchus or lung
C34.2	Malignant neoplasm of middle lobe, bronchus or lung
C34.31	Malignant neoplasm of lower lobe, right bronchus or lung
C34.32	Malignant neoplasm of lower lobe, left bronchus or lung
C34.81	Malignant neoplasm of overlapping sites of right bronchus and lung
C34.82	Malignant neoplasm of overlapping sites of left bronchus and lung
C37	Malignant neoplasm of thymus
C38.0	Malignant neoplasm of heart
C38.1	Malignant neoplasm of anterior mediastinum
C38.2	Malignant neoplasm of posterior mediastinum
C38.4	Malignant neoplasm of pleura
C38.8	Malignant neoplasm of overlapping sites of heart, mediastinum and pleura
C45.0	Mesothelioma of pleura
C45.2	Mesothelioma of pericardium
C78.01	Secondary malignant neoplasm of right lung
C78.02	Secondary malignant neoplasm of left lung
C78.1	Secondary malignant neoplasm of mediastinum
C78.2	Secondary malignant neoplasm of pleura
C78.39	Secondary malignant neoplasm of other respiratory organs
C96.5	Multifocal and unisystemic Langerhans-cell histiocytosis
C96.6	Unifocal Langerhans-cell histiocytosis
D02.21	Carcinoma in situ of right bronchus and lung
D02.22	Carcinoma in situ of left bronchus and lung
D02.3	Carcinoma in situ of other parts of respiratory system
D14.31	Benign neoplasm of right bronchus and lung
D14.32	Benign neoplasm of left bronchus and lung
D15.2	Benign neoplasm of mediastinum
D18.1	Lymphangioma, any site
D19.0	Benign neoplasm of mesothelial tissue of pleura
D37.1	Neoplasm of uncertain behavior of stomach
D37.2	Neoplasm of uncertain behavior of small intestine
D37.3	Neoplasm of uncertain behavior of appendix
D37.4	Neoplasm of uncertain behavior of colon
D37.5	Neoplasm of uncertain behavior of rectum
D38.1	Neoplasm of uncertain behavior of trachea, bronchus and lung
D38.2	Neoplasm of uncertain behavior of pleura
D38.3	Neoplasm of uncertain behavior of mediastinum
D38.4	Neoplasm of uncertain behavior of thymus
D38.5	Neoplasm of uncertain behavior of other respiratory organs
D45	Polycythemia vera
D75.1	Secondary polycythemia
D86.0	Sarcoidosis of lung
D86.1	Sarcoidosis of lymph nodes
D86.2	Sarcoidosis of lung with sarcoidosis of lymph nodes
D86.81	Sarcoid meningitis
D86.82	Multiple cranial nerve palsies in sarcoidosis
D86.85	Sarcoid myocarditis
D86.86	Sarcoid arthropathy
D86.87	Sarcoid myositis
D86.89	Sarcoidosis of other sites
E84.0	Cystic fibrosis with pulmonary manifestations
E84.11	Meconium ileus in cystic fibrosis
E84.19	Cystic fibrosis with other intestinal manifestations

ICD-10 Codes	Description
E84.8	Cystic fibrosis with other manifestations
E88.41	MELAS syndrome
E88.42	MERRF syndrome
E88.49	Other mitochondrial metabolism disorders
E88.89	Other specified metabolic disorders
G12.21	Amyotrophic lateral sclerosis
G12.22	Progressive bulbar palsy
G14	Postpolio syndrome
G61.0	Guillain-Barre syndrome
G70.00	Myasthenia gravis without (acute) exacerbation
G70.01	Myasthenia gravis with (acute) exacerbation
G71.00	Muscular dystrophy, unspecified
G71.01	Duchenne or Becker muscular dystrophy
G71.02	Facioscapulohumeral muscular dystrophy
G71.09	Other specified muscular dystrophies
G71.11	Myotonic muscular dystrophy
G71.12	Myotonia congenita
G71.13	Myotonic chondrodystrophy
G71.14	Drug induced myotonia
G71.19	Other specified myotonic disorders
G72.41	Inclusion body myositis [IBM]
G72.49	Other inflammatory and immune myopathies, not elsewhere classified
G80.0	Spastic quadriplegic cerebral palsy
G80.1	Spastic diplegic cerebral palsy
G80.2	Spastic hemiplegic cerebral palsy
G80.4	Ataxic cerebral palsy
G80.8	Other cerebral palsy
G82.51	Quadriplegia, C1-C4 complete
G82.52	Quadriplegia, C1-C4 incomplete
G82.53	Quadriplegia, C5-C7 complete
G82.54	Quadriplegia, C5-C7 incomplete
G83.5	Locked-in state
G83.81	Brown-Sequard syndrome
G83.82	Anterior cord syndrome
G83.83	Posterior cord syndrome
G83.84	Todd's paralysis (postepileptic)
G83.89	Other specified paralytic syndromes
I26.02	Saddle embolus of pulmonary artery with acute cor pulmonale
I26.09	Other pulmonary embolism with acute cor pulmonale
I26.92	Saddle embolus of pulmonary artery without acute cor pulmonale
I26.99	Other pulmonary embolism without acute cor pulmonale
I27.0	Primary pulmonary hypertension
I27.1	Kyphoscoliotic heart disease
I27.20	Pulmonary hypertension, unspecified
I27.21	Secondary pulmonary arterial hypertension
I27.22	Pulmonary hypertension due to left heart disease
I27.23	Pulmonary hypertension due to lung diseases and hypoxia
I27.24	Chronic thromboembolic pulmonary hypertension
I27.29	Other secondary pulmonary hypertension
I27.81	Cor pulmonale (chronic)
I27.82	Chronic pulmonary embolism
I27.83	Eisenmenger's syndrome
I27.89	Other specified pulmonary heart diseases
I50.21	Acute systolic (congestive) heart failure
I50.22	Chronic systolic (congestive) heart failure
I50.23	Acute on chronic systolic (congestive) heart failure
I50.31	Acute diastolic (congestive) heart failure

ICD-10 Codes	Description
I50.32	Chronic diastolic (congestive) heart failure
I50.33	Acute on chronic diastolic (congestive) heart failure
I50.41	Acute combined systolic (congestive) and diastolic (congestive) heart failure
I50.42	Chronic combined systolic (congestive) and diastolic (congestive) heart failure
I50.43	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure
I69.010	Attention and concentration deficit following nontraumatic subarachnoid hemorrhage
I69.011	Memory deficit following nontraumatic subarachnoid hemorrhage
I69.012	Visuospatial deficit and spatial neglect following nontraumatic subarachnoid hemorrhage
I69.013	Psychomotor deficit following nontraumatic subarachnoid hemorrhage
I69.014	Frontal lobe and executive function deficit following nontraumatic subarachnoid hemorrhage
I69.015	Cognitive social or emotional deficit following nontraumatic subarachnoid hemorrhage
I69.018	Other symptoms and signs involving cognitive functions following nontraumatic subarachnoid hemorrhage
I69.051	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting right dominant side
I69.052	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting left dominant side
I69.053	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting right non-dominant side
I69.054	Hemiplegia and hemiparesis following nontraumatic subarachnoid hemorrhage affecting left non-dominant side
I69.061	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting right dominant side
I69.062	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting left dominant side
I69.063	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting right non-dominant side
I69.064	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage affecting left non-dominant side
I69.065	Other paralytic syndrome following nontraumatic subarachnoid hemorrhage, bilateral
I69.090	Apraxia following nontraumatic subarachnoid hemorrhage
I69.091	Dysphagia following nontraumatic subarachnoid hemorrhage
I69.092	Facial weakness following nontraumatic subarachnoid hemorrhage
I69.093	Ataxia following nontraumatic subarachnoid hemorrhage
I69.098	Other sequelae following nontraumatic subarachnoid hemorrhage
I69.110	Attention and concentration deficit following nontraumatic intracerebral hemorrhage
I69.111	Memory deficit following nontraumatic intracerebral hemorrhage
I69.112	Visuospatial deficit and spatial neglect following nontraumatic intracerebral hemorrhage
I69.113	Psychomotor deficit following nontraumatic intracerebral hemorrhage
I69.114	Frontal lobe and executive function deficit following nontraumatic intracerebral hemorrhage
I69.115	Cognitive social or emotional deficit following nontraumatic intracerebral hemorrhage
I69.118	Other symptoms and signs involving cognitive functions following nontraumatic intracerebral hemorrhage
I69.151	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting right dominant side
I69.152	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting left dominant side
I69.153	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting right non-dominant side
I69.154	Hemiplegia and hemiparesis following nontraumatic intracerebral hemorrhage affecting left non-dominant side
I69.161	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting right dominant side
I69.162	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting left dominant side
I69.163	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting right non-dominant side
I69.164	Other paralytic syndrome following nontraumatic intracerebral hemorrhage affecting left non-dominant side
I69.165	Other paralytic syndrome following nontraumatic intracerebral hemorrhage, bilateral

ICD-10 Codes	Description
I69.190	Apraxia following nontraumatic intracerebral hemorrhage
I69.191	Dysphagia following nontraumatic intracerebral hemorrhage
I69.192	Facial weakness following nontraumatic intracerebral hemorrhage
I69.193	Ataxia following nontraumatic intracerebral hemorrhage
I69.198	Other sequelae of nontraumatic intracerebral hemorrhage
I69.210	Attention and concentration deficit following other nontraumatic intracranial hemorrhage
I69.211	Memory deficit following other nontraumatic intracranial hemorrhage
I69.212	Visuospatial deficit and spatial neglect following other nontraumatic intracranial hemorrhage
I69.213	Psychomotor deficit following other nontraumatic intracranial hemorrhage
I69.214	Frontal lobe and executive function deficit following other nontraumatic intracranial hemorrhage
I69.215	Cognitive social or emotional deficit following other nontraumatic intracranial hemorrhage
I69.218	Other symptoms and signs involving cognitive functions following other nontraumatic intracranial hemorrhage
I69.251	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting right dominant side
I69.252	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting left dominant side
I69.253	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting right non-dominant side
I69.254	Hemiplegia and hemiparesis following other nontraumatic intracranial hemorrhage affecting left non-dominant side
I69.261	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting right dominant side
I69.262	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting left dominant side
I69.263	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting right non-dominant side
I69.264	Other paralytic syndrome following other nontraumatic intracranial hemorrhage affecting left non-dominant side
I69.265	Other paralytic syndrome following other nontraumatic intracranial hemorrhage, bilateral
I69.290	Apraxia following other nontraumatic intracranial hemorrhage
I69.291	Dysphagia following other nontraumatic intracranial hemorrhage
I69.292	Facial weakness following other nontraumatic intracranial hemorrhage
I69.293	Ataxia following other nontraumatic intracranial hemorrhage
I69.298	Other sequelae of other nontraumatic intracranial hemorrhage
I69.310	Attention and concentration deficit following cerebral infarction
I69.311	Memory deficit following cerebral infarction
I69.312	Visuospatial deficit and spatial neglect following cerebral infarction
I69.313	Psychomotor deficit following cerebral infarction
I69.314	Frontal lobe and executive function deficit following cerebral infarction
I69.315	Cognitive social or emotional deficit following cerebral infarction
I69.318	Other symptoms and signs involving cognitive functions following cerebral infarction
I69.351	Hemiplegia and hemiparesis following cerebral infarction affecting right dominant side
I69.352	Hemiplegia and hemiparesis following cerebral infarction affecting left dominant side
I69.353	Hemiplegia and hemiparesis following cerebral infarction affecting right non-dominant side
I69.354	Hemiplegia and hemiparesis following cerebral infarction affecting left non-dominant side
I69.361	Other paralytic syndrome following cerebral infarction affecting right dominant side
I69.362	Other paralytic syndrome following cerebral infarction affecting left dominant side
I69.363	Other paralytic syndrome following cerebral infarction affecting right non-dominant side
I69.364	Other paralytic syndrome following cerebral infarction affecting left non-dominant side
I69.365	Other paralytic syndrome following cerebral infarction, bilateral
I69.390	Apraxia following cerebral infarction
I69.391	Dysphagia following cerebral infarction
I69.392	Facial weakness following cerebral infarction
I69.393	Ataxia following cerebral infarction
I69.398	Other sequelae of cerebral infarction
I69.810	Attention and concentration deficit following other cerebrovascular disease
I69.811	Memory deficit following other cerebrovascular disease
I69.812	Visuospatial deficit and spatial neglect following other cerebrovascular disease

ICD-10 Codes	Description
I69.813	Psychomotor deficit following other cerebrovascular disease
I69.814	Frontal lobe and executive function deficit following other cerebrovascular disease
I69.815	Cognitive social or emotional deficit following other cerebrovascular disease
I69.818	Other symptoms and signs involving cognitive functions following other cerebrovascular disease
I69.851	Hemiplegia and hemiparesis following other cerebrovascular disease affecting right dominant side
I69.852	Hemiplegia and hemiparesis following other cerebrovascular disease affecting left dominant side
I69.853	Hemiplegia and hemiparesis following other cerebrovascular disease affecting right non-dominant side
I69.854	Hemiplegia and hemiparesis following other cerebrovascular disease affecting left non-dominant side
I69.861	Other paralytic syndrome following other cerebrovascular disease affecting right dominant side
I69.862	Other paralytic syndrome following other cerebrovascular disease affecting left dominant side
I69.863	Other paralytic syndrome following other cerebrovascular disease affecting right non-dominant side
I69.864	Other paralytic syndrome following other cerebrovascular disease affecting left non-dominant side
I69.865	Other paralytic syndrome following other cerebrovascular disease, bilateral
I69.890	Apraxia following other cerebrovascular disease
I69.891	Dysphagia following other cerebrovascular disease
I69.892	Facial weakness following other cerebrovascular disease
I69.893	Ataxia following other cerebrovascular disease
I69.898	Other sequelae of other cerebrovascular disease
J04.10	Acute tracheitis without obstruction
J04.11	Acute tracheitis with obstruction
J09.X1	Influenza due to identified novel influenza A virus with pneumonia
J09.X2	Influenza due to identified novel influenza A virus with other respiratory manifestations
J09.X3	Influenza due to identified novel influenza A virus with gastrointestinal manifestations
J09.X9	Influenza due to identified novel influenza A virus with other manifestations
J17	Pneumonia in diseases classified elsewhere
J20.0	Acute bronchitis due to Mycoplasma pneumoniae
J20.1	Acute bronchitis due to Hemophilus influenzae
J20.2	Acute bronchitis due to streptococcus
J20.3	Acute bronchitis due to coxsackievirus
J20.4	Acute bronchitis due to parainfluenza virus
J20.5	Acute bronchitis due to respiratory syncytial virus
J20.6	Acute bronchitis due to rhinovirus
J20.7	Acute bronchitis due to echovirus
J20.8	Acute bronchitis due to other specified organisms
J21.0	Acute bronchiolitis due to respiratory syncytial virus
J21.1	Acute bronchiolitis due to human metapneumovirus
J21.8	Acute bronchiolitis due to other specified organisms
J39.8	Other specified diseases of upper respiratory tract
J40	Bronchitis, not specified as acute or chronic
J41.0	Simple chronic bronchitis
J41.1	Mucopurulent chronic bronchitis
J41.8	Mixed simple and mucopurulent chronic bronchitis
J43.0	Unilateral pulmonary emphysema [MacLeod's syndrome]
J43.1	Panlobular emphysema
J43.2	Centrilobular emphysema
J43.8	Other emphysema
J44.0	Chronic obstructive pulmonary disease with acute lower respiratory infection
J44.1	Chronic obstructive pulmonary disease with (acute) exacerbation
J44.9	Chronic obstructive pulmonary disease, unspecified
J45.20	Mild intermittent asthma, uncomplicated
J45.21	Mild intermittent asthma with (acute) exacerbation
J45.22	Mild intermittent asthma with status asthmaticus
J45.30	Mild persistent asthma, uncomplicated
J45.31	Mild persistent asthma with (acute) exacerbation
J45.32	Mild persistent asthma with status asthmaticus

ICD-10 Codes	Description
J45.40	Moderate persistent asthma, uncomplicated
J45.41	Moderate persistent asthma with (acute) exacerbation
J45.42	Moderate persistent asthma with status asthmaticus
J45.50	Severe persistent asthma, uncomplicated
J45.51	Severe persistent asthma with (acute) exacerbation
J45.52	Severe persistent asthma with status asthmaticus
J45.901	Unspecified asthma with (acute) exacerbation
J45.902	Unspecified asthma with status asthmaticus
J45.909	Unspecified asthma, uncomplicated
J45.990	Exercise induced bronchospasm
J45.991	Cough variant asthma
J45.998	Other asthma
J47.0	Bronchiectasis with acute lower respiratory infection
J47.1	Bronchiectasis with (acute) exacerbation
J47.9	Bronchiectasis, uncomplicated
J60	Coalworker's pneumoconiosis
J61	Pneumoconiosis due to asbestos and other mineral fibers
J62.0	Pneumoconiosis due to talc dust
J62.8	Pneumoconiosis due to other dust containing silica
J63.0	Aluminosis (of lung)
J63.1	Bauxite fibrosis (of lung)
J63.2	Berylliosis
J63.3	Graphite fibrosis (of lung)
J63.4	Siderosis
J63.5	Stannosis
J63.6	Pneumoconiosis due to other specified inorganic dusts
J65	Pneumoconiosis associated with tuberculosis
J66.0	Byssinosis
J66.1	Flax-dressers' disease
J66.2	Cannabinosis
J66.8	Airway disease due to other specific organic dusts
J67.0	Farmer's lung
J67.1	Bagassosis
J67.2	Bird fancier's lung
J67.3	Suberosis
J67.4	Maltworker's lung
J67.5	Mushroom-worker's lung
J67.6	Maple-bark-stripper's lung
J67.7	Air conditioner and humidifier lung
J67.8	Hypersensitivity pneumonitis due to other organic dusts
J68.0	Bronchitis and pneumonitis due to chemicals, gases, fumes and vapors
J68.1	Pulmonary edema due to chemicals, gases, fumes and vapors
J68.2	Upper respiratory inflammation due to chemicals, gases, fumes and vapors, not elsewhere classified
J68.3	Other acute and subacute respiratory conditions due to chemicals, gases, fumes and vapors
J68.4	Chronic respiratory conditions due to chemicals, gases, fumes and vapors
J68.8	Other respiratory conditions due to chemicals, gases, fumes and vapors
J69.0	Pneumonitis due to inhalation of food and vomit
J69.1	Pneumonitis due to inhalation of oils and essences
J69.8	Pneumonitis due to inhalation of other solids and liquids
J70.0	Acute pulmonary manifestations due to radiation
J70.1	Chronic and other pulmonary manifestations due to radiation
J70.2	Acute drug-induced interstitial lung disorders
J70.3	Chronic drug-induced interstitial lung disorders
J70.5	Respiratory conditions due to smoke inhalation
J70.8	Respiratory conditions due to other specified external agents
J80	Acute respiratory distress syndrome
J81.0	Acute pulmonary edema

ICD-10 Codes	Description
J81.1	Chronic pulmonary edema
J82	Pulmonary eosinophilia, not elsewhere classified
J84.01	Alveolar proteinosis
J84.02	Pulmonary alveolar microlithiasis
J84.03	Idiopathic pulmonary hemosiderosis
J84.111	Idiopathic interstitial pneumonia, not otherwise specified
J84.112	Idiopathic pulmonary fibrosis
J84.113	Idiopathic non-specific interstitial pneumonitis
J84.114	Acute interstitial pneumonitis
J84.115	Respiratory bronchiolitis interstitial lung disease
J84.116	Cryptogenic organizing pneumonia
J84.117	Desquamative interstitial pneumonia
J84.17	Other interstitial pulmonary diseases with fibrosis in diseases classified elsewhere
J84.2	Lymphoid interstitial pneumonia
J84.81	Lymphangiomyomatosis
J84.82	Adult pulmonary Langerhans cell histiocytosis
J84.83	Surfactant mutations of the lung
J84.842	Pulmonary interstitial glycogenosis
J84.843	Alveolar capillary dysplasia with vein misalignment
J84.848	Other interstitial lung diseases of childhood
J84.89	Other specified interstitial pulmonary diseases
J86.0	Pyothorax with fistula
J86.9	Pyothorax without fistula
J90	Pleural effusion, not elsewhere classified
J91.0	Malignant pleural effusion
J91.8	Pleural effusion in other conditions classified elsewhere
J92.0	Pleural plaque with presence of asbestos
J92.9	Pleural plaque without asbestos
J94.0	Chylous effusion
J94.1	Fibrothorax
J94.2	Hemothorax
J94.8	Other specified pleural conditions
J95.1	Acute pulmonary insufficiency following thoracic surgery
J95.2	Acute pulmonary insufficiency following nonthoracic surgery
J95.3	Chronic pulmonary insufficiency following surgery
J95.821	Acute postprocedural respiratory failure
J95.822	Acute and chronic postprocedural respiratory failure
J96.01	Acute respiratory failure with hypoxia
J96.02	Acute respiratory failure with hypercapnia
J96.11	Chronic respiratory failure with hypoxia
J96.12	Chronic respiratory failure with hypercapnia
J96.21	Acute and chronic respiratory failure with hypoxia
J96.22	Acute and chronic respiratory failure with hypercapnia
J98.01	Acute bronchospasm
J98.09	Other diseases of bronchus, not elsewhere classified
J98.11	Atelectasis
J98.19	Other pulmonary collapse
J98.2	Interstitial emphysema
J98.3	Compensatory emphysema
J98.4	Other disorders of lung
J98.6	Disorders of diaphragm
J98.8	Other specified respiratory disorders
J99	Respiratory disorders in diseases classified elsewhere
K76.81	Hepatopulmonary syndrome
M05.011	Felty's syndrome, right shoulder
M05.012	Felty's syndrome, left shoulder
M05.021	Felty's syndrome, right elbow
M05.022	Felty's syndrome, left elbow

**ICD-10
Codes****Description**

M05.031	Felty's syndrome, right wrist
M05.032	Felty's syndrome, left wrist
M05.041	Felty's syndrome, right hand
M05.042	Felty's syndrome, left hand
M05.051	Felty's syndrome, right hip
M05.052	Felty's syndrome, left hip
M05.061	Felty's syndrome, right knee
M05.062	Felty's syndrome, left knee
M05.071	Felty's syndrome, right ankle and foot
M05.072	Felty's syndrome, left ankle and foot
M05.09	Felty's syndrome, multiple sites
M05.111	Rheumatoid lung disease with rheumatoid arthritis of right shoulder
M05.112	Rheumatoid lung disease with rheumatoid arthritis of left shoulder
M05.121	Rheumatoid lung disease with rheumatoid arthritis of right elbow
M05.122	Rheumatoid lung disease with rheumatoid arthritis of left elbow
M05.131	Rheumatoid lung disease with rheumatoid arthritis of right wrist
M05.132	Rheumatoid lung disease with rheumatoid arthritis of left wrist
M05.141	Rheumatoid lung disease with rheumatoid arthritis of right hand
M05.142	Rheumatoid lung disease with rheumatoid arthritis of left hand
M05.151	Rheumatoid lung disease with rheumatoid arthritis of right hip
M05.152	Rheumatoid lung disease with rheumatoid arthritis of left hip
M05.161	Rheumatoid lung disease with rheumatoid arthritis of right knee
M05.162	Rheumatoid lung disease with rheumatoid arthritis of left knee
M05.171	Rheumatoid lung disease with rheumatoid arthritis of right ankle and foot
M05.172	Rheumatoid lung disease with rheumatoid arthritis of left ankle and foot
M05.19	Rheumatoid lung disease with rheumatoid arthritis of multiple sites
M05.211	Rheumatoid vasculitis with rheumatoid arthritis of right shoulder
M05.212	Rheumatoid vasculitis with rheumatoid arthritis of left shoulder
M05.221	Rheumatoid vasculitis with rheumatoid arthritis of right elbow
M05.222	Rheumatoid vasculitis with rheumatoid arthritis of left elbow
M05.231	Rheumatoid vasculitis with rheumatoid arthritis of right wrist
M05.232	Rheumatoid vasculitis with rheumatoid arthritis of left wrist
M05.241	Rheumatoid vasculitis with rheumatoid arthritis of right hand
M05.242	Rheumatoid vasculitis with rheumatoid arthritis of left hand
M05.251	Rheumatoid vasculitis with rheumatoid arthritis of right hip
M05.252	Rheumatoid vasculitis with rheumatoid arthritis of left hip
M05.261	Rheumatoid vasculitis with rheumatoid arthritis of right knee
M05.262	Rheumatoid vasculitis with rheumatoid arthritis of left knee
M05.271	Rheumatoid vasculitis with rheumatoid arthritis of right ankle and foot
M05.272	Rheumatoid vasculitis with rheumatoid arthritis of left ankle and foot
M05.29	Rheumatoid vasculitis with rheumatoid arthritis of multiple sites
M05.311	Rheumatoid heart disease with rheumatoid arthritis of right shoulder
M05.312	Rheumatoid heart disease with rheumatoid arthritis of left shoulder
M05.321	Rheumatoid heart disease with rheumatoid arthritis of right elbow
M05.322	Rheumatoid heart disease with rheumatoid arthritis of left elbow
M05.331	Rheumatoid heart disease with rheumatoid arthritis of right wrist
M05.332	Rheumatoid heart disease with rheumatoid arthritis of left wrist
M05.341	Rheumatoid heart disease with rheumatoid arthritis of right hand
M05.342	Rheumatoid heart disease with rheumatoid arthritis of left hand
M05.351	Rheumatoid heart disease with rheumatoid arthritis of right hip
M05.352	Rheumatoid heart disease with rheumatoid arthritis of left hip
M05.361	Rheumatoid heart disease with rheumatoid arthritis of right knee
M05.362	Rheumatoid heart disease with rheumatoid arthritis of left knee
M05.371	Rheumatoid heart disease with rheumatoid arthritis of right ankle and foot
M05.372	Rheumatoid heart disease with rheumatoid arthritis of left ankle and foot
M05.39	Rheumatoid heart disease with rheumatoid arthritis of multiple sites
M05.411	Rheumatoid myopathy with rheumatoid arthritis of right shoulder

**ICD-10
Codes****Description**

M05.412	Rheumatoid myopathy with rheumatoid arthritis of left shoulder
M05.421	Rheumatoid myopathy with rheumatoid arthritis of right elbow
M05.422	Rheumatoid myopathy with rheumatoid arthritis of left elbow
M05.431	Rheumatoid myopathy with rheumatoid arthritis of right wrist
M05.432	Rheumatoid myopathy with rheumatoid arthritis of left wrist
M05.441	Rheumatoid myopathy with rheumatoid arthritis of right hand
M05.442	Rheumatoid myopathy with rheumatoid arthritis of left hand
M05.451	Rheumatoid myopathy with rheumatoid arthritis of right hip
M05.452	Rheumatoid myopathy with rheumatoid arthritis of left hip
M05.461	Rheumatoid myopathy with rheumatoid arthritis of right knee
M05.462	Rheumatoid myopathy with rheumatoid arthritis of left knee
M05.471	Rheumatoid myopathy with rheumatoid arthritis of right ankle and foot
M05.472	Rheumatoid myopathy with rheumatoid arthritis of left ankle and foot
M05.49	Rheumatoid myopathy with rheumatoid arthritis of multiple sites
M05.511	Rheumatoid polyneuropathy with rheumatoid arthritis of right shoulder
M05.512	Rheumatoid polyneuropathy with rheumatoid arthritis of left shoulder
M05.521	Rheumatoid polyneuropathy with rheumatoid arthritis of right elbow
M05.522	Rheumatoid polyneuropathy with rheumatoid arthritis of left elbow
M05.531	Rheumatoid polyneuropathy with rheumatoid arthritis of right wrist
M05.532	Rheumatoid polyneuropathy with rheumatoid arthritis of left wrist
M05.541	Rheumatoid polyneuropathy with rheumatoid arthritis of right hand
M05.542	Rheumatoid polyneuropathy with rheumatoid arthritis of left hand
M05.551	Rheumatoid polyneuropathy with rheumatoid arthritis of right hip
M05.552	Rheumatoid polyneuropathy with rheumatoid arthritis of left hip
M05.561	Rheumatoid polyneuropathy with rheumatoid arthritis of right knee
M05.562	Rheumatoid polyneuropathy with rheumatoid arthritis of left knee
M05.571	Rheumatoid polyneuropathy with rheumatoid arthritis of right ankle and foot
M05.572	Rheumatoid polyneuropathy with rheumatoid arthritis of left ankle and foot
M05.59	Rheumatoid polyneuropathy with rheumatoid arthritis of multiple sites
M05.611	Rheumatoid arthritis of right shoulder with involvement of other organs and systems
M05.612	Rheumatoid arthritis of left shoulder with involvement of other organs and systems
M05.621	Rheumatoid arthritis of right elbow with involvement of other organs and systems
M05.622	Rheumatoid arthritis of left elbow with involvement of other organs and systems
M05.631	Rheumatoid arthritis of right wrist with involvement of other organs and systems
M05.632	Rheumatoid arthritis of left wrist with involvement of other organs and systems
M05.641	Rheumatoid arthritis of right hand with involvement of other organs and systems
M05.642	Rheumatoid arthritis of left hand with involvement of other organs and systems
M05.651	Rheumatoid arthritis of right hip with involvement of other organs and systems
M05.652	Rheumatoid arthritis of left hip with involvement of other organs and systems
M05.661	Rheumatoid arthritis of right knee with involvement of other organs and systems
M05.662	Rheumatoid arthritis of left knee with involvement of other organs and systems
M05.671	Rheumatoid arthritis of right ankle and foot with involvement of other organs and systems
M05.672	Rheumatoid arthritis of left ankle and foot with involvement of other organs and systems
M05.69	Rheumatoid arthritis of multiple sites with involvement of other organs and systems
M06.08	Rheumatoid arthritis without rheumatoid factor, vertebrae
M06.09	Rheumatoid arthritis without rheumatoid factor, multiple sites
M06.1	Adult-onset Still's disease
M08.211	Juvenile rheumatoid arthritis with systemic onset, right shoulder
M08.212	Juvenile rheumatoid arthritis with systemic onset, left shoulder
M08.221	Juvenile rheumatoid arthritis with systemic onset, right elbow
M08.222	Juvenile rheumatoid arthritis with systemic onset, left elbow
M08.231	Juvenile rheumatoid arthritis with systemic onset, right wrist
M08.232	Juvenile rheumatoid arthritis with systemic onset, left wrist
M08.241	Juvenile rheumatoid arthritis with systemic onset, right hand
M08.242	Juvenile rheumatoid arthritis with systemic onset, left hand
M08.251	Juvenile rheumatoid arthritis with systemic onset, right hip
M08.252	Juvenile rheumatoid arthritis with systemic onset, left hip
M08.261	Juvenile rheumatoid arthritis with systemic onset, right knee

ICD-10 Codes	Description
M08.262	Juvenile rheumatoid arthritis with systemic onset, left knee
M08.271	Juvenile rheumatoid arthritis with systemic onset, right ankle and foot
M08.272	Juvenile rheumatoid arthritis with systemic onset, left ankle and foot
M08.28	Juvenile rheumatoid arthritis with systemic onset, vertebrae
M08.29	Juvenile rheumatoid arthritis with systemic onset, multiple sites
M08.3	Juvenile rheumatoid polyarthritis (seronegative)
M30.1	Polyarteritis with lung involvement [Churg-Strauss]
M31.0	Hypersensitivity angiitis
M31.30	Wegener's granulomatosis without renal involvement
M31.31	Wegener's granulomatosis with renal involvement
M32.0	Drug-induced systemic lupus erythematosus
M32.11	Endocarditis in systemic lupus erythematosus
M32.12	Pericarditis in systemic lupus erythematosus
M32.13	Lung involvement in systemic lupus erythematosus
M32.14	Glomerular disease in systemic lupus erythematosus
M32.15	Tubulo-interstitial nephropathy in systemic lupus erythematosus
M32.19	Other organ or system involvement in systemic lupus erythematosus
M32.8	Other forms of systemic lupus erythematosus
M33.01	Juvenile dermatomyositis with respiratory involvement
M33.02	Juvenile dermatomyositis with myopathy
M33.09	Juvenile dermatomyositis with other organ involvement
M33.11	Other dermatomyositis with respiratory involvement
M33.12	Other dermatomyositis with myopathy
M33.19	Other dermatomyositis with other organ involvement
M33.21	Polymyositis with respiratory involvement
M33.22	Polymyositis with myopathy
M33.29	Polymyositis with other organ involvement
M34.0	Progressive systemic sclerosis
M34.1	CR(E)ST syndrome
M34.2	Systemic sclerosis induced by drug and chemical
M34.81	Systemic sclerosis with lung involvement
M34.82	Systemic sclerosis with myopathy
M34.83	Systemic sclerosis with polyneuropathy
M34.89	Other systemic sclerosis
M35.02	Sicca syndrome with lung involvement
M35.03	Sicca syndrome with myopathy
M35.1	Other overlap syndromes
M35.5	Multifocal fibrosclerosis
M35.8	Other specified systemic involvement of connective tissue
M36.0	Dermato(poly)myositis in neoplastic disease
M36.8	Systemic disorders of connective tissue in other diseases classified elsewhere
M40.03	Postural kyphosis, cervicothoracic region
M40.04	Postural kyphosis, thoracic region
M40.05	Postural kyphosis, thoracolumbar region
M40.292	Other kyphosis, cervical region
M40.293	Other kyphosis, cervicothoracic region
M40.294	Other kyphosis, thoracic region
M40.295	Other kyphosis, thoracolumbar region
M41.03	Infantile idiopathic scoliosis, cervicothoracic region
M41.04	Infantile idiopathic scoliosis, thoracic region
M41.05	Infantile idiopathic scoliosis, thoracolumbar region
M41.113	Juvenile idiopathic scoliosis, cervicothoracic region
M41.114	Juvenile idiopathic scoliosis, thoracic region
M41.115	Juvenile idiopathic scoliosis, thoracolumbar region
M41.123	Adolescent idiopathic scoliosis, cervicothoracic region
M41.124	Adolescent idiopathic scoliosis, thoracic region
M41.125	Adolescent idiopathic scoliosis, thoracolumbar region

ICD-10 Codes	Description
M41.23	Other idiopathic scoliosis, cervicothoracic region
M41.24	Other idiopathic scoliosis, thoracic region
M41.25	Other idiopathic scoliosis, thoracolumbar region
M41.34	Thoracogenic scoliosis, thoracic region
M41.35	Thoracogenic scoliosis, thoracolumbar region
M46.51	Other infective spondylopathies, occipito-atlanto-axial region
M46.52	Other infective spondylopathies, cervical region
M46.53	Other infective spondylopathies, cervicothoracic region
M46.54	Other infective spondylopathies, thoracic region
M46.55	Other infective spondylopathies, thoracolumbar region
M46.59	Other infective spondylopathies, multiple sites in spine
M46.81	Other specified inflammatory spondylopathies, occipito-atlanto-axial region
M46.82	Other specified inflammatory spondylopathies, cervical region
M46.83	Other specified inflammatory spondylopathies, cervicothoracic region
M46.84	Other specified inflammatory spondylopathies, thoracic region
M46.85	Other specified inflammatory spondylopathies, thoracolumbar region
M46.89	Other specified inflammatory spondylopathies, multiple sites in spine
M95.4	Acquired deformity of chest and rib
M96.2	Postradiation kyphosis
M96.3	Postlaminectomy kyphosis
M96.5	Postradiation scoliosis
M99.82	Other biomechanical lesions of thoracic region
M99.88	Other biomechanical lesions of rib cage
Q67.6	Pectus excavatum
Q67.7	Pectus carinatum
R05	Cough
R06.01	Orthopnea
R06.02	Shortness of breath
R06.09	Other forms of dyspnea
R06.1	Stridor
R06.2	Wheezing
R06.3	Periodic breathing
R06.4	Hyperventilation
R06.81	Apnea, not elsewhere classified
R06.82	Tachypnea, not elsewhere classified
R06.83	Snoring
R06.89	Other abnormalities of breathing
R09.01	Asphyxia
R09.02	Hypoxemia
R09.1	Pleurisy
R23.0	Cyanosis
R79.81	Abnormal blood-gas level
R91.1	Solitary pulmonary nodule
R91.8	Other nonspecific abnormal finding of lung field
R94.2	Abnormal results of pulmonary function studies
T53.5X1A	Toxic effect of chlorofluorocarbons, accidental (unintentional), initial encounter
T53.5X1D	Toxic effect of chlorofluorocarbons, accidental (unintentional), subsequent encounter
T53.5X1S	Toxic effect of chlorofluorocarbons, accidental (unintentional), sequela
T53.5X2A	Toxic effect of chlorofluorocarbons, intentional self-harm, initial encounter
T53.5X2D	Toxic effect of chlorofluorocarbons, intentional self-harm, subsequent encounter
T53.5X2S	Toxic effect of chlorofluorocarbons, intentional self-harm, sequela
T53.5X3A	Toxic effect of chlorofluorocarbons, assault, initial encounter
T53.5X3D	Toxic effect of chlorofluorocarbons, assault, subsequent encounter
T53.5X3S	Toxic effect of chlorofluorocarbons, assault, sequela
T53.5X4A	Toxic effect of chlorofluorocarbons, undetermined, initial encounter
T53.5X4D	Toxic effect of chlorofluorocarbons, undetermined, subsequent encounter
T53.5X4S	Toxic effect of chlorofluorocarbons, undetermined, sequela
T57.3X1A	Toxic effect of hydrogen cyanide, accidental (unintentional), initial encounter

**ICD-10
Codes****Description**

T57.3X1D	Toxic effect of hydrogen cyanide, accidental (unintentional), subsequent encounter
T57.3X1S	Toxic effect of hydrogen cyanide, accidental (unintentional), sequela
T57.3X2A	Toxic effect of hydrogen cyanide, intentional self-harm, initial encounter
T57.3X2D	Toxic effect of hydrogen cyanide, intentional self-harm, subsequent encounter
T57.3X2S	Toxic effect of hydrogen cyanide, intentional self-harm, sequela
T57.3X3A	Toxic effect of hydrogen cyanide, assault, initial encounter
T57.3X3D	Toxic effect of hydrogen cyanide, assault, subsequent encounter
T57.3X3S	Toxic effect of hydrogen cyanide, assault, sequela
T57.3X4A	Toxic effect of hydrogen cyanide, undetermined, initial encounter
T57.3X4D	Toxic effect of hydrogen cyanide, undetermined, subsequent encounter
T57.3X4S	Toxic effect of hydrogen cyanide, undetermined, sequela
T59.0X1A	Toxic effect of nitrogen oxides, accidental (unintentional), initial encounter
T59.0X1D	Toxic effect of nitrogen oxides, accidental (unintentional), subsequent encounter
T59.0X1S	Toxic effect of nitrogen oxides, accidental (unintentional), sequela
T59.0X2A	Toxic effect of nitrogen oxides, intentional self-harm, initial encounter
T59.0X2D	Toxic effect of nitrogen oxides, intentional self-harm, subsequent encounter
T59.0X2S	Toxic effect of nitrogen oxides, intentional self-harm, sequela
T59.0X3A	Toxic effect of nitrogen oxides, assault, initial encounter
T59.0X3D	Toxic effect of nitrogen oxides, assault, subsequent encounter
T59.0X3S	Toxic effect of nitrogen oxides, assault, sequela
T59.0X4A	Toxic effect of nitrogen oxides, undetermined, initial encounter
T59.0X4D	Toxic effect of nitrogen oxides, undetermined, subsequent encounter
T59.0X4S	Toxic effect of nitrogen oxides, undetermined, sequela
T59.1X1A	Toxic effect of sulfur dioxide, accidental (unintentional), initial encounter
T59.1X1D	Toxic effect of sulfur dioxide, accidental (unintentional), subsequent encounter
T59.1X1S	Toxic effect of sulfur dioxide, accidental (unintentional), sequela
T59.1X2A	Toxic effect of sulfur dioxide, intentional self-harm, initial encounter
T59.1X2D	Toxic effect of sulfur dioxide, intentional self-harm, subsequent encounter
T59.1X2S	Toxic effect of sulfur dioxide, intentional self-harm, sequela
T59.1X3A	Toxic effect of sulfur dioxide, assault, initial encounter
T59.1X3D	Toxic effect of sulfur dioxide, assault, subsequent encounter
T59.1X3S	Toxic effect of sulfur dioxide, assault, sequela
T59.1X4A	Toxic effect of sulfur dioxide, undetermined, initial encounter
T59.1X4D	Toxic effect of sulfur dioxide, undetermined, subsequent encounter
T59.1X4S	Toxic effect of sulfur dioxide, undetermined, sequela
T59.2X1A	Toxic effect of formaldehyde, accidental (unintentional), initial encounter
T59.2X1D	Toxic effect of formaldehyde, accidental (unintentional), subsequent encounter
T59.2X1S	Toxic effect of formaldehyde, accidental (unintentional), sequela
T59.2X2A	Toxic effect of formaldehyde, intentional self-harm, initial encounter
T59.2X2D	Toxic effect of formaldehyde, intentional self-harm, subsequent encounter
T59.2X2S	Toxic effect of formaldehyde, intentional self-harm, sequela
T59.2X3A	Toxic effect of formaldehyde, assault, initial encounter
T59.2X3D	Toxic effect of formaldehyde, assault, subsequent encounter
T59.2X3S	Toxic effect of formaldehyde, assault, sequela
T59.2X4A	Toxic effect of formaldehyde, undetermined, initial encounter
T59.2X4D	Toxic effect of formaldehyde, undetermined, subsequent encounter
T59.2X4S	Toxic effect of formaldehyde, undetermined, sequela
T59.3X1A	Toxic effect of lacrimogenic gas, accidental (unintentional), initial encounter
T59.3X1D	Toxic effect of lacrimogenic gas, accidental (unintentional), subsequent encounter
T59.3X1S	Toxic effect of lacrimogenic gas, accidental (unintentional), sequela
T59.3X2A	Toxic effect of lacrimogenic gas, intentional self-harm, initial encounter
T59.3X2D	Toxic effect of lacrimogenic gas, intentional self-harm, subsequent encounter
T59.3X2S	Toxic effect of lacrimogenic gas, intentional self-harm, sequela
T59.3X3A	Toxic effect of lacrimogenic gas, assault, initial encounter
T59.3X3D	Toxic effect of lacrimogenic gas, assault, subsequent encounter
T59.3X3S	Toxic effect of lacrimogenic gas, assault, sequela
T59.3X4A	Toxic effect of lacrimogenic gas, undetermined, initial encounter

**ICD-10
Codes****Description**

T59.3X4D	Toxic effect of lacrimogenic gas, undetermined, subsequent encounter
T59.3X4S	Toxic effect of lacrimogenic gas, undetermined, sequela
T59.4X1A	Toxic effect of chlorine gas, accidental (unintentional), initial encounter
T59.4X1D	Toxic effect of chlorine gas, accidental (unintentional), subsequent encounter
T59.4X1S	Toxic effect of chlorine gas, accidental (unintentional), sequela
T59.4X2A	Toxic effect of chlorine gas, intentional self-harm, initial encounter
T59.4X2D	Toxic effect of chlorine gas, intentional self-harm, subsequent encounter
T59.4X2S	Toxic effect of chlorine gas, intentional self-harm, sequela
T59.4X3A	Toxic effect of chlorine gas, assault, initial encounter
T59.4X3D	Toxic effect of chlorine gas, assault, subsequent encounter
T59.4X3S	Toxic effect of chlorine gas, assault, sequela
T59.4X4A	Toxic effect of chlorine gas, undetermined, initial encounter
T59.4X4D	Toxic effect of chlorine gas, undetermined, subsequent encounter
T59.4X4S	Toxic effect of chlorine gas, undetermined, sequela
T59.5X1A	Toxic effect of fluorine gas and hydrogen fluoride, accidental (unintentional), initial encounter
T59.5X1D	Toxic effect of fluorine gas and hydrogen fluoride, accidental (unintentional), subsequent encounter
T59.5X1S	Toxic effect of fluorine gas and hydrogen fluoride, accidental (unintentional), sequela
T59.5X2A	Toxic effect of fluorine gas and hydrogen fluoride, intentional self-harm, initial encounter
T59.5X2D	Toxic effect of fluorine gas and hydrogen fluoride, intentional self-harm, subsequent encounter
T59.5X2S	Toxic effect of fluorine gas and hydrogen fluoride, intentional self-harm, sequela
T59.5X3A	Toxic effect of fluorine gas and hydrogen fluoride, assault, initial encounter
T59.5X3D	Toxic effect of fluorine gas and hydrogen fluoride, assault, subsequent encounter
T59.5X3S	Toxic effect of fluorine gas and hydrogen fluoride, assault, sequela
T59.5X4A	Toxic effect of fluorine gas and hydrogen fluoride, undetermined, initial encounter
T59.5X4D	Toxic effect of fluorine gas and hydrogen fluoride, undetermined, subsequent encounter
T59.5X4S	Toxic effect of fluorine gas and hydrogen fluoride, undetermined, sequela
T59.6X1A	Toxic effect of hydrogen sulfide, accidental (unintentional), initial encounter
T59.6X1D	Toxic effect of hydrogen sulfide, accidental (unintentional), subsequent encounter
T59.6X1S	Toxic effect of hydrogen sulfide, accidental (unintentional), sequela
T59.6X2A	Toxic effect of hydrogen sulfide, intentional self-harm, initial encounter
T59.6X2D	Toxic effect of hydrogen sulfide, intentional self-harm, subsequent encounter
T59.6X2S	Toxic effect of hydrogen sulfide, intentional self-harm, sequela
T59.6X3A	Toxic effect of hydrogen sulfide, assault, initial encounter
T59.6X3D	Toxic effect of hydrogen sulfide, assault, subsequent encounter
T59.6X3S	Toxic effect of hydrogen sulfide, assault, sequela
T59.6X4A	Toxic effect of hydrogen sulfide, undetermined, initial encounter
T59.6X4D	Toxic effect of hydrogen sulfide, undetermined, subsequent encounter
T59.6X4S	Toxic effect of hydrogen sulfide, undetermined, sequela
T59.7X1A	Toxic effect of carbon dioxide, accidental (unintentional), initial encounter
T59.7X1D	Toxic effect of carbon dioxide, accidental (unintentional), subsequent encounter
T59.7X1S	Toxic effect of carbon dioxide, accidental (unintentional), sequela
T59.7X2A	Toxic effect of carbon dioxide, intentional self-harm, initial encounter
T59.7X2D	Toxic effect of carbon dioxide, intentional self-harm, subsequent encounter
T59.7X2S	Toxic effect of carbon dioxide, intentional self-harm, sequela
T59.7X3A	Toxic effect of carbon dioxide, assault, initial encounter
T59.7X3D	Toxic effect of carbon dioxide, assault, subsequent encounter
T59.7X3S	Toxic effect of carbon dioxide, assault, sequela
T59.7X4A	Toxic effect of carbon dioxide, undetermined, initial encounter
T59.7X4D	Toxic effect of carbon dioxide, undetermined, subsequent encounter
T59.7X4S	Toxic effect of carbon dioxide, undetermined, sequela
T59.811A	Toxic effect of smoke, accidental (unintentional), initial encounter
T59.811D	Toxic effect of smoke, accidental (unintentional), subsequent encounter
T59.811S	Toxic effect of smoke, accidental (unintentional), sequela
T59.812A	Toxic effect of smoke, intentional self-harm, initial encounter
T59.812D	Toxic effect of smoke, intentional self-harm, subsequent encounter
T59.812S	Toxic effect of smoke, intentional self-harm, sequela
T59.813A	Toxic effect of smoke, assault, initial encounter

ICD-10 Codes	Description
T59.813D	Toxic effect of smoke, assault, subsequent encounter
T59.813S	Toxic effect of smoke, assault, sequela
T59.814A	Toxic effect of smoke, undetermined, initial encounter
T59.814D	Toxic effect of smoke, undetermined, subsequent encounter
T59.814S	Toxic effect of smoke, undetermined, sequela
T59.891A	Toxic effect of other specified gases, fumes and vapors, accidental (unintentional), initial encounter
T59.891D	Toxic effect of other specified gases, fumes and vapors, accidental (unintentional), subsequent encounter
T59.891S	Toxic effect of other specified gases, fumes and vapors, accidental (unintentional), sequela
T59.892A	Toxic effect of other specified gases, fumes and vapors, intentional self-harm, initial encounter
T59.892D	Toxic effect of other specified gases, fumes and vapors, intentional self-harm, subsequent encounter
T59.892S	Toxic effect of other specified gases, fumes and vapors, intentional self-harm, sequela
T59.893A	Toxic effect of other specified gases, fumes and vapors, assault, initial encounter
T59.893D	Toxic effect of other specified gases, fumes and vapors, assault, subsequent encounter
T59.893S	Toxic effect of other specified gases, fumes and vapors, assault, sequela
T59.894A	Toxic effect of other specified gases, fumes and vapors, undetermined, initial encounter
T59.894D	Toxic effect of other specified gases, fumes and vapors, undetermined, subsequent encounter
T59.894S	Toxic effect of other specified gases, fumes and vapors, undetermined, sequela
T65.211A	Toxic effect of chewing tobacco, accidental (unintentional), initial encounter
T65.211D	Toxic effect of chewing tobacco, accidental (unintentional), subsequent encounter
T65.211S	Toxic effect of chewing tobacco, accidental (unintentional), sequela
T65.212A	Toxic effect of chewing tobacco, intentional self-harm, initial encounter
T65.212D	Toxic effect of chewing tobacco, intentional self-harm, subsequent encounter
T65.212S	Toxic effect of chewing tobacco, intentional self-harm, sequela
T65.213A	Toxic effect of chewing tobacco, assault, initial encounter
T65.213D	Toxic effect of chewing tobacco, assault, subsequent encounter
T65.213S	Toxic effect of chewing tobacco, assault, sequela
T65.214A	Toxic effect of chewing tobacco, undetermined, initial encounter
T65.214D	Toxic effect of chewing tobacco, undetermined, subsequent encounter
T65.214S	Toxic effect of chewing tobacco, undetermined, sequela
T65.221A	Toxic effect of tobacco cigarettes, accidental (unintentional), initial encounter
T65.221D	Toxic effect of tobacco cigarettes, accidental (unintentional), subsequent encounter
T65.221S	Toxic effect of tobacco cigarettes, accidental (unintentional), sequela
T65.222A	Toxic effect of tobacco cigarettes, intentional self-harm, initial encounter
T65.222D	Toxic effect of tobacco cigarettes, intentional self-harm, subsequent encounter
T65.222S	Toxic effect of tobacco cigarettes, intentional self-harm, sequela
T65.223A	Toxic effect of tobacco cigarettes, assault, initial encounter
T65.223D	Toxic effect of tobacco cigarettes, assault, subsequent encounter
T65.223S	Toxic effect of tobacco cigarettes, assault, sequela
T65.224A	Toxic effect of tobacco cigarettes, undetermined, initial encounter
T65.224D	Toxic effect of tobacco cigarettes, undetermined, subsequent encounter
T65.224S	Toxic effect of tobacco cigarettes, undetermined, sequela
T65.291A	Toxic effect of other tobacco and nicotine, accidental (unintentional), initial encounter
T65.291D	Toxic effect of other tobacco and nicotine, accidental (unintentional), subsequent encounter
T65.291S	Toxic effect of other tobacco and nicotine, accidental (unintentional), sequela
T65.292A	Toxic effect of other tobacco and nicotine, intentional self-harm, initial encounter
T65.292D	Toxic effect of other tobacco and nicotine, intentional self-harm, subsequent encounter
T65.292S	Toxic effect of other tobacco and nicotine, intentional self-harm, sequela
T65.293A	Toxic effect of other tobacco and nicotine, assault, initial encounter
T65.293D	Toxic effect of other tobacco and nicotine, assault, subsequent encounter
T65.293S	Toxic effect of other tobacco and nicotine, assault, sequela
T65.294A	Toxic effect of other tobacco and nicotine, undetermined, initial encounter
T65.294D	Toxic effect of other tobacco and nicotine, undetermined, subsequent encounter
T65.294S	Toxic effect of other tobacco and nicotine, undetermined, sequela
Z48.21	Encounter for aftercare following heart transplant
Z48.24	Encounter for aftercare following lung transplant

ICD-10 Codes	Description
Z48.280	Encounter for aftercare following heart-lung transplant
Z79.899	Other long term (current) drug therapy
Z86.11	Personal history of tuberculosis
Z86.12	Personal history of poliomyelitis
Z87.01	Personal history of pneumonia (recurrent)
Z87.09	Personal history of other diseases of the respiratory system
Z94.1	Heart transplant status
Z94.2	Lung transplant status
Z94.3	Heart and lungs transplant status

Group 2 Paragraph:

Section B - The following ICD-10-CM codes are covered for CPT code 94013, 94070, 94250, 94400, 94450, 94640, 94664, 94680, 94681, 94690, 94726, 94727, 94728, 94729, and 94750:

See Indications section for utilization of CPT code 94664.

Group 2 Codes:

ICD-10 Codes	Description
J44.9	Chronic obstructive pulmonary disease, unspecified
J45.20	Mild intermittent asthma, uncomplicated
J45.21	Mild intermittent asthma with (acute) exacerbation
J45.22	Mild intermittent asthma with status asthmaticus
J45.30	Mild persistent asthma, uncomplicated
J45.31	Mild persistent asthma with (acute) exacerbation
J45.32	Mild persistent asthma with status asthmaticus
J45.40	Moderate persistent asthma, uncomplicated
J45.41	Moderate persistent asthma with (acute) exacerbation
J45.42	Moderate persistent asthma with status asthmaticus
J45.50	Severe persistent asthma, uncomplicated
J45.51	Severe persistent asthma with (acute) exacerbation
J45.52	Severe persistent asthma with status asthmaticus
J45.901	Unspecified asthma with (acute) exacerbation
J45.902	Unspecified asthma with status asthmaticus
J45.909	Unspecified asthma, uncomplicated
J45.991	Cough variant asthma
J45.998	Other asthma
J98.4	Other disorders of lung
R05	Cough

Group 3 Paragraph:

Section C - The following ICD-10-CM codes are covered for CPT codes 94013, 94250, 94400, 94450, 94617, 94618, 94621 94640, 94664, 94680, 94681, 94690, 94726, 94727, 94728, 94729, and 94750:

See Indications Limitations and Medical Necessity section for utilization of CPT code 94664.

Group 3 Codes:

ICD-10 Codes	Description
E66.2	Morbid (severe) obesity with alveolar hypoventilation
J45.990	Exercise induced bronchospasm
R06.02	Shortness of breath
R06.09	Other forms of dyspnea
R06.2	Wheezing
R06.82	Tachypnea, not elsewhere classified
R06.83	Snoring
R06.89	Other abnormalities of breathing

ICD-10 Codes	Description
Z79.899	Other long term (current) drug therapy

ICD-10 Codes that DO NOT Support Medical Necessity N/A

ICD-10 Additional Information [Back to Top](#)

General Information

Associated Information

Documentation Requirements

Supportive documentation evidencing the condition and treatment is expected to be documented in the medical record and be available upon request.

Contractors are explicitly authorized to request additional documentation from third parties (e.g. ordering physician) when needed to evaluate the medical necessity of the service, and may consider care prior to or subsequent to the service in question.

Each claim must be submitted with ICD-10-CM codes that reflect the actual condition of the patient. The mere listing of an ICD-10-CM code alone does not justify the test if the overall context and condition of the patient do not support necessity of the test.

All providers of pulmonary function tests should have on file a referral (an order, a prescription) with clinical diagnoses and requested tests. Indications in the primary medical record must be available for review.

All equipment and studies should meet minimum standards as outlined by the American Thoracic Society.

Spirometry studies, in particular, require 3 attempts to be clinically acceptable.

All studies require an interpretation with a written report. Computerized reports must have a physician's signature attesting to review and accuracy.

Documentation must be available to Medicare upon request and must be legible. The medical record must document the test results and usage in treatment.

American Thoracic Society and the American Lung Association and the American College of Chest Physicians have published guidelines for typical usage of pulmonary function tests which represent typical community norms.

Follow up testing which is weekly or monthly is appropriate only when clinically required, such as in periods of acute exacerbation of interstitial lung disease.

PFTs are diagnostic, not therapeutic. PFTs are not used to demonstrate breathing exercises.

Demonstration/observation of a nebulizer (94664) is usually used once or at rare intervals as a stand-alone procedure code. See Indications and Limitations.

Sources of Information

1. Commission of Accreditation of Allied Health Education Programs. Available at: www.caahep.org Accessed 3/13/2012.
2. Cystic-L. PFTs Explained For You. Available at: www.cystic-l.org/handbook/html/pft_s_explained_for_you.htm Accessed 03/13/2012.
3. Puritan Bennett. Reimbursement: Spirometry. Available at: <http://www.puritanbennett.com/remb/spirometry.aspx> Accessed 03/13/2012.
4. Respiratory Care Board of California. Available at: www.rcb.ca.gov/applicants/education_regs.shtml Accessed 03/13/2012.
www.rcb.ca.gov/licensees/scopeofprac.shtml Accessed 03/13/2013.
5. University of Maryland Medical Center. Pulmonary Function Tests. Available at:

6. WebMD Health. Lung Function Tests. Available at: www.webmd.com Accessed 3/13/2013.

7. This contractor's prior LCDs "Pulmonary Function Tests", (L10375, L10412) which will be retired once this policy becomes effective.

8. Other contractors' LCDs including Healthnow (L3929, in particular for pulmonary exercise testing), BCBS Arkansas (L13428), and Trailblazer (L11908).

9. Contractor Medical Director

NOTE: Some of the websites used to create this policy may no longer be available.

Bibliography

NA

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Revision History Information

Revision History Date	Revision History Number	Revision History Explanation	Reason(s) for Change
10/01/2018	R8	10/16/18-At this time 21st Century Cures Act will apply to new and revised LCDs that restrict coverage which requires comment and notice. This revision is not a restriction to the coverage determination; and, therefore not all the fields included on the LCD are applicable as noted in this policy.	<ul style="list-style-type: none">• Typographical Error
10/01/2018	R7	ICD-10 codes G70.00 and G70.01 added back in to the Group 1 ICD-10 Codes That Support Medical Necessity section after inadvertently deleting them with the 2019 Annual ICD-10 Code Update effective 10/01/2018. 09/06/2018 - At this time 21st Century Cures Act will apply to new and revised LCDs that restrict coverage which requires comment and notice. This revision is not a restriction to the coverage determination; and, therefore not all the fields included on the LCD are applicable as noted in this policy.	<ul style="list-style-type: none">• Revisions Due To ICD-10-CM Code Changes
01/01/2018	R6	The following ICD-110 codes were added, deleted and revised per the Annual ICD-10 Updates. Added: G71.00, G71.01, G71.02 and G71.09 Deleted: G71.0. Revised: J84.848. 11/29/17: At this time 21st Century Cures Act will apply to new and revised LCDs that restrict coverage which requires comment and notice. This revision is not a restriction to the coverage determination; and, therefore not all the fields included on the LCD are applicable as noted in this policy.	<ul style="list-style-type: none">• Revisions Due To CPT/HCPCS Code Changes

Revision History Date	Revision History Number	Revision History Explanation	Reason(s) for Change
10/01/2017	R5	<p>Added procedure codes 94617 and 94618 effective 01/01/2018 and deleted 94620 effective 12/31/2017.</p> <p>08/24/2017: At this time 21st Century Cures Act will apply to new and revised LCDs that restrict coverage which requires comment and notice. This revision is not a restriction to the coverage determination; and, therefore not all the fields included on the LCD are applicable as noted in this policy.</p> <p>Effective DOS 10/01/2017 the following ICD-10-CM codes were added, deleted and had a description change:</p> <p>Added:</p> <ul style="list-style-type: none"> • I27.20 • I27.21 • I27.22 • I27.23 • I27.24 • I27.29 • I27.83 	<ul style="list-style-type: none"> • Revisions Due To ICD-10-CM Code Changes
10/01/2016	R4	<p>The following ICD-10 codes were deleted from the ICD-10 Codes that Support Medical Necessity field: I27.2 was deleted from Group 1</p> <p>The following ICD-10 code descriptions were changed in the ICD-10 Codes that Support Medical Necessity field: M33.01 descriptor was changed in Group 1 M33.02 descriptor was changed in Group 1 M33.09 descriptor was changed in Group 1 M33.11 descriptor was changed in Group 1 M33.12 descriptor was changed in Group 1 M33.19 descriptor was changed in Group 1</p> <p>The LCD is revised to add ICD-10 codes effective 10/1/2016: I69.010, I69.011, I69.012, I69.013, I69.014, I69.015, I69.018, I69.110, I69.111, I69.112, I69.113, I69.114, I69.115, I69.118, I69.210, I69.211, I69.212, I69.213, I69.214, I69.215, I69.218, I69.310, I69.311, I69.312, I69.313, I69.314, I69.315, I69.318, I69.810, I69.811, I69.812, I69.813, I69.814, I69.815 and I69.818 to Group 1.</p>	<ul style="list-style-type: none"> • Revisions Due To ICD-10-CM Code Changes
10/01/2015	R3	<p>The following ICD-10 deleted effective 10/1/2016 from Group 1: I69.01, I69.11, I69.21, I69.31 and I69.81.</p> <p>RLCD revised to add J44.9 to Group 2 ICD-10 Codes that Support Medical Necessity</p>	<ul style="list-style-type: none"> • Revisions Due To ICD-10-CM Code Changes
10/01/2015	R2	<p>R2 Added ICD-10 codes J45.901, J45.902 & J45.909 to Group 1 & 2 ICD-10 Codes that Support Medical Necessity. Deleted Group 4 paragraph Section D stating "The following CPT codes apply to any diagnosis codes from Sections A, B, or C: 94013, 94250, 94400, 94450, 94640, 94680, 94681, 94690, 94726, 94727, 94728, 94729, and 94750. CPT code 94664 applies to any diagnosis code from section A, B, or C. See sections for Indication or Utilization" and added the information from Group 4 to Groups 1, 2 and 3.</p>	<ul style="list-style-type: none"> • Reconsideration Request • Revisions Due To ICD-10-CM Code Changes
10/01/2015	R1	<p>The LCD is revised to add J44.9 in group 1.</p>	

Revision History Date
Revision History Number

Revision History Explanation

Reason(s) for Change

- Revisions Due To ICD-10-CM Code Changes

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Associated Documents

Attachments N/A

Related Local Coverage Documents N/A

Related National Coverage Documents N/A

Public Version(s) Updated on 10/17/2018 with effective dates 10/01/2018 - N/A [Updated on 09/08/2018 with effective dates 10/01/2018 - N/A Updated on 12/07/2017 with effective dates 01/01/2018 - 09/30/2018 Updated on 08/31/2017 with effective dates 10/01/2017 - 12/31/2017](#) Some older versions have been archived. Please visit the [MCD Archive Site](#) to retrieve them. [Back to Top](#)

Keywords

- 94010
- 94011
- 94012
- 94013
- 94060
- 94070
- 94150
- 94200
- 94250
- 94375
- 94400
- 94450
- 94617
- 94618
- 94621
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- Pulmonary
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