



CLINICAL MEDICAL POLICY	
<b>Policy Name:</b>	Nerve Conduction Studies (NCS) and Electromyography (EMG)
<b>Policy Number:</b>	MP-128-MD-PA
<b>Responsible Department(s):</b>	Medical Management
<b>Provider Notice/Issue Date:</b>	03/01/2025; 06/01/2024
<b>Effective Date:</b>	04/01/2025; 07/01/2024
<b>Next Annual Review:</b>	10/2025
<b>Revision Date:</b>	11/20/2024; 10/18/2023
<b>Products:</b>	Highmark Wholecare <sup>SM</sup> Medicaid
<b>Application:</b>	All participating hospitals and providers
<b>Page Number(s):</b>	1 of 31

#### Policy History

Date	Action
04/01/2025	Provider Effective date
02/03/2025	PARP Approval
11/20/2024	QI/UM Committee review
11/20/2024	Annual Review: No changes to clinical criteria. Updated 'Summary of Literature' section.
07/01/2024	Provider Effective date
05/20/2024	PARP Approval
10/18/2023	QI/UM Committee review
10/18/2023	Policy initially developed

#### Disclaimer

Highmark Wholecare<sup>SM</sup> medical policy is intended to serve only as a general reference resource regarding coverage for the services described. This policy does not constitute medical advice and is not intended to govern or otherwise influence medical decisions.

## **Policy Statement**

Highmark Wholecare<sup>SM</sup> may provide coverage under the medical-surgical benefits of the Company's Medicaid products for medically necessary nerve conduction studies and/or electromyography.

This policy is designed to address medical necessity guidelines that are appropriate for the majority of individuals with a particular disease, illness or condition. Each person's unique clinical circumstances warrant individual consideration, based upon review of applicable medical records.

(Current applicable Pennsylvania HealthChoices Agreement Section V. Program Requirements, B. Prior Authorization of Services, 1. General Prior Authorization Requirements.)

## **Definitions**

**Prior Authorization Review Panel (PARP)** – A panel of representatives from within the PA Department of Human Services who have been assigned organizational responsibility for the review, approval and denial of all PH-MCO Prior Authorization policies and procedures.

**Electromyography (EMG)** – measures muscle response or electrical activity in response to a nerve's stimulation of the muscle. This test is used to help detect neuromuscular abnormalities.

**Nerve conduction studies (NCS)** - a diagnostic test that evaluates the function of a person's peripheral nerves. An NCS can help detect the presence and extent of peripheral nerve damage.

## **Procedures**

1. Electrodiagnostic assessment, consisting of EMG, NCS, and related measures, may be considered medically necessary as an adjunct to history, physical exam, and imaging studies when the following criteria are met:
  - A. Signs and symptoms of peripheral neuropathy and/or myopathy are present; AND
  - B. Definitive diagnosis cannot be made by physical exam and imaging studies alone; AND
  - C. Work-up for ANY of the following categories of disease is indicated:
    - 1) Motor neuron diseases; OR
    - 2) Nerve root compression; OR
    - 3) Neuromuscular junction disorders; OR
    - 4) Neuropathies/myopathies; OR
    - 5) Plexopathies.
2. A repeat electrodiagnostic assessment may be considered medically necessary when ANY ONE of the following criteria has been met:
  - A. Development of new symptoms or signs suggesting a second diagnosis in an patient who has received an initial diagnosis; OR
  - B. Interim progression of disease following an initial test that was inconclusive, such that a repeat test is likely to elicit additional findings; OR
  - C. Unexpected change(s) in the course of disease or response to treatment, suggesting that the initial diagnosis may be incorrect and that reexamination- is indicated; OR

- D. Rapidly evolving disease in which initial electrodiagnostic testing is normal and where repeat testing might show abnormalities that will affect treatment decisions (e.g., Guillain-Barre Syndrome); OR
  - E. In diseases with fluctuating courses to monitor disease progress and response to therapeutic interventions (e.g., polymyositis and myasthenia gravis); OR
  - F. Repeat evaluations after injury to monitor recovery, to help establish prognosis, and to determine the need for possible future interventions.
3. Electrodiagnostic testing consisting of EMG and NCS not meeting the criteria as indicated in this policy is considered not medically necessary.

Electrodiagnostic assessment for the following indications, consisting of EMG, NCS, and related measures, is considered experimental/investigational and therefore, not medically necessary because the safety and/or effectiveness of this service cannot be established by the available published peer-reviewed literature:

- Screening of asymptomatic patients
  - These tests may include, but are not limited to:
    - A “surface” EMG (SEMG) which includes a surface paraspinal EMG
    - Macro EMG
    - Quantitative sensory testing (QST) which is the assessment of perceptual and/or physiological responses to pain.
4. Post-payment Audit Statement
- The medical record must include documentation that reflects the medical necessity criteria and is subject to audit by Highmark Wholecare<sup>SM</sup> at any time pursuant to the terms of your provider agreement.
5. Related Policies
- MP-130-MD-PA Intraoperative Neurophysiologic Monitoring
6. Place of Service
- The proper place of service for EMG/NCS is outpatient.

### **Governing Bodies Approval**

#### **CMS**

The Centers for Medicare and Medicaid Services (CMS) has published the following guidance:

- Local Coverage Determination (LCD) Nerve Conduction Studies and Electromyography (L35081)
- Local Coverage Article (LCA) Billing and Coding: Nerve Conduction Studies and Electromyography (A54095)

## **Summary of Literature**

Nerve conduction studies (NCS) are technical procedures used to objectively assess the functional status of the peripheral neuromuscular system. The study involves activating nerves with small electrical pulses over several points on the skin of the limbs and measuring the body's responses. The NCS assumes that when a nerve is stimulated electrically a reaction should occur somewhere along the nerve. The reaction of the nerve is then monitored with recording electrodes. The recording can be made along sensory or mixed nerves. Indirect conduction can be studied because stimulus propagation occurs proximally to and distally to the point of stimulation. The time relationship between the stimulus and the response can be displayed, measured, and recorded (CDC, 1990).

Electromyography (EMG) NCS are electrodiagnostic tests performed to evaluate the function of the peripheral nervous system. These tests are usually, but not invariably, performed together and interpreted in conjunction. Often the single term "EMG" is used to mean an examination comprising both NCS and EMG studies, though this is technically an imprecise usage. Both examinations evaluate and measure aspects of the electrophysiological properties inherent in peripheral nerve and muscle tissue. Through assessment of these neurophysiological parameters, these studies provide accurate diagnostic information to the clinician regarding the integrity and function of the spinal nerve roots, nerve plexi, peripheral nerves, neuromuscular junction, and muscle (Bridget, 2015).

NCS gives data on peripheral nervous system (PNS) function which may be used to provide:

- Diagnosis(es)
- Description of disease state (old/new; dynamic/static pathophysiology)
- Longitudinal monitoring of disease with multiple studies
- Advice on prognosis and management based on test results and disease detected (Mallik & Weir, 2005)

Symptoms consistent with possible peripheral nerve injury, either in isolation or combination, include the following:

- Pain in limb
- Neck pain
- Back pain
- Numbness in feet
- Numbness or tingling of limbs
- Weakness of arms or legs
- Clumsiness in hands
- Gait impairment (Bridget, 2015)

Results from an NCS/EMG are often necessary to help diagnose or rule out a number of conditions such as:

- Muscle disorders, such as muscular dystrophy or polymyositis
- Diseases affecting the connection between the nerve and the muscle, such as myasthenia gravis
- Disorders of nerves outside the spinal cord (peripheral nerves), such as carpal tunnel syndrome or peripheral neuropathies
- Disorders that affect the motor neurons in the brain or spinal cord, such as amyotrophic lateral sclerosis or polio
- Disorders that affect the nerve root, such as a herniated disk in the spine (Mayo Clinic, 2019)

Motor conduction studies are performed by electrical stimulation of a nerve and recording the compound muscle action potential (CMAP) from surface electrodes overlying a muscle supplied by that nerve. The recording electrodes are performed using adhesive conductive pads placed onto the skin overlying the target muscle. The active electrode is placed over the muscle belly and the reference over an electrically inactive site (usually the muscle tendon). A ground electrode is also placed somewhere between the stimulating and recording electrodes providing a zero voltage reference point. The median motor study might involve stimulation at the wrist, the elbow, and less frequently the axilla and the brachial plexus (Mallik & Weir, 2005).

Needle EMG is performed by inserting a needle containing a recording electrode into the muscle of interest. The muscle is evaluated at rest. Abnormal spontaneous activity includes fibrillation potentials and positive waves; fasciculations, complex repetitive discharges, myotonic and myokimic discharges, and neuromyotonia. The recruitment pattern, the motor unit potential (MUP) duration, shape and amplitude are evaluated with minimal and maximal activation. The number of nerves and muscles tested depends on the suspected underlying condition and is decided on a case-by-case basis. Repetitive nerve stimulation (RNS) and single-fiber EMG (SFEMG) are utilized when a neuromuscular junction (NMJ) problem is suspected. SFEMG is not a routine test and is performed in specialized laboratories (Rossitza, Katzin, 2010).

The NCS/EMG must be done in conjunction with a careful neurological history and examination. The study should be tailored depending on the differential diagnostic possibilities. When the examination and the NCS/EMG findings are conflicting, the examiner should re-evaluate the patient and consider the possibility of a technical problem (Rossitza, Katzin, 2010).

## **Coding Requirements**

### Procedure Codes

<b>CPT/HCPCS Code</b>	<b>Description</b>
95860	Needle electromyography; 1 extremity with or without related paraspinal areas
95861	Needle electromyography; 2 extremities with or without related paraspinal areas
95863	Needle electromyography; 3 extremities with or without related paraspinal areas
95864	Needle electromyography; 4 extremities with or without related paraspinal areas
95865	Needle electromyography; larynx
95866	Needle electromyography; hemidiaphragm
95867	Needle electromyography; cranial nerve supplied muscle(s), unilateral
95868	Needle electromyography; cranial nerve supplied muscles, bilateral
95869	Needle electromyography; thoracic paraspinal muscles (excluding T1 or T12)
95870	Needle electromyography; limited study of muscles in 1 extremity or non-limb (axial) muscles (unilateral or bilateral), other than thoracic paraspinal, cranial nerve supplied muscles, or sphincters
95872	Needle electromyography using single fiber electrode, with quantitative measurement of jitter, blocking and/or fiber density, any/all sites of each muscle studied
95885	Needle electromyography, each extremity, with related paraspinal areas, when performed, done with nerve conduction, amplitude and latency/velocity study; limited (List separately in addition to code for primary procedure)

95886	Needle electromyography, each extremity, with related paraspinal areas, when performed, done with nerve conduction, amplitude and latency/velocity study; complete, five or more muscles studied, innervated by three or more nerves or four or more spinal levels (List separately in addition to code for primary procedure)
95887	Needle electromyography, non-extremity (cranial nerve supplied or axial) muscle(s) done with nerve conduction, amplitude and latency/velocity study (List separately in addition to code for primary procedure)
95905	Motor and/or sensory nerve conduction, using preconfigured electrode array(s), amplitude and latency/velocity study, each limb, includes F-wave study when performed, with interpretation and report
95907	Nerve conduction studies; 1-2 studies
95908	Nerve conduction studies; 3-4 studies
95909	Nerve conduction studies; 5-6 studies
95910	Nerve conduction studies; 7-8 studies
95911	Nerve conduction studies; 9-10 studies
95912	Nerve conduction studies; 11-12 studies
95913	Nerve conduction studies; 13 or more studies
95937	Neuromuscular junction testing (repetitive stimulation, paired stimuli), each nerve, any 1 method

#### Non-covered Procedure Codes

*These procedure codes will not be reimbursed without Medical Director approval.*

<b>CPT/HCPCS Code</b>	<b>Description</b>
95999	Unlisted neurological or neuromuscular diagnostic procedure
0106T	Quantitative sensory testing (QST), testing and interpretation per extremity; using touch pressure stimuli to assess large diameter sensation
0107T	Quantitative sensory testing (QST), testing and interpretation per extremity; using vibration stimuli to assess large diameter fiber sensation
0108T	Quantitative sensory testing (QST), testing and interpretation per extremity; using cooling stimuli to assess small nerve fiber sensation and hyperalgesia
0109T	Quantitative sensory testing (QST), testing and interpretation per extremity; using heat-pain stimuli to assess small nerve fiber sensation and hyperalgesia
0110T	Quantitative sensory testing (QST), testing and interpretation per extremity; using other stimuli to assess sensation
S3900	Surface electromyography (EMG)

## Diagnosis Codes

ICD-10 Code	Description
A05.1	Botulism food poisoning
B02.21	Postherpetic geniculate ganglionitis
B02.22	Postherpetic trigeminal neuralgia
B02.23	Postherpetic polyneuropathy
E10.40	Type 1 diabetes mellitus with diabetic neuropathy, unspecified
E10.41	Type 1 diabetes mellitus with diabetic mononeuropathy
E10.42	Type 1 diabetes mellitus with diabetic polyneuropathy
E10.43	Type 1 diabetes mellitus with diabetic autonomic (poly)neuropathy
E10.44	Type 1 diabetes mellitus with diabetic amyotrophy
E10.49	Type 1 diabetes mellitus with other diabetic neurological complication
E11.40	Type 2 diabetes mellitus with diabetic neuropathy, unspecified
E11.41	Type 2 diabetes mellitus with diabetic mononeuropathy
E11.42	Type 2 diabetes mellitus with diabetic polyneuropathy
E11.43	Type 2 diabetes mellitus with diabetic autonomic (poly)neuropathy
E11.44	Type 2 diabetes mellitus with diabetic amyotrophy
E11.49	Type 2 diabetes mellitus with other diabetic neurological complication
E13.40	Other specified diabetes mellitus with diabetic neuropathy, unspecified
E13.41	Other specified diabetes mellitus with diabetic mononeuropathy
E13.42	Other specified diabetes mellitus with diabetic polyneuropathy
E13.43	Other specified diabetes mellitus with diabetic autonomic (poly)neuropathy
E13.44	Other specified diabetes mellitus with diabetic amyotrophy
E13.49	Other specified diabetes mellitus with other diabetic neurological complication
E51.9	Thiamine deficiency, unspecified
G04.1	Tropical spastic paraplegia
G04.82	Acute flaccid myelitis
G11.0	Congenital nonprogressive ataxia
G11.10	Early-onset cerebellar ataxia, unspecified
G11.11	Friedreich ataxia
G11.19	Other early-onset cerebellar ataxia
G11.2	Late-onset cerebellar ataxia
G11.3	Cerebellar ataxia with defective DNA repair
G11.4	Hereditary spastic paraplegia
G11.8	Other hereditary ataxias
G11.9	Hereditary ataxia, unspecified
G12.0	Infantile spinal muscular atrophy, type I [Werdnig-Hoffman]
G12.1	Other inherited spinal muscular atrophy
G12.20	Motor neuron disease, unspecified
G12.21	Amyotrophic lateral sclerosis
G12.22	Progressive bulbar palsy
G12.24	Familial motor neuron disease
G12.29	Other motor neuron disease

G12.8	Other spinal muscular atrophies and related syndromes
G12.9	Spinal muscular atrophy, unspecified
G50.0	Trigeminal neuralgia
G50.1	Atypical facial pain
G50.8	Other disorders of trigeminal nerve
G50.9	Disorder of trigeminal nerve, unspecified
G51.4	Facial myokymia
G51.8	Other disorders of facial nerve
G51.9	Disorder of facial nerve, unspecified
G52.1	Disorders of glossopharyngeal nerve
G52.2	Disorders of vagus nerve
G52.3	Disorders of hypoglossal nerve
G52.7	Disorders of multiple cranial nerves
G52.8	Disorders of other specified cranial nerves
G52.9	Cranial nerve disorder, unspecified
G53	Cranial nerve disorders in diseases classified elsewhere
G54.0	Brachial plexus disorders
G54.1	Lumbosacral plexus disorders
G54.2	Cervical root disorders, not elsewhere classified
G54.3	Thoracic root disorders, not elsewhere classified
G54.4	Lumbosacral root disorders, not elsewhere classified
G54.5	Neuralgic amyotrophy
G54.6	Phantom limb syndrome with pain
G54.7	Phantom limb syndrome without pain
G54.8	Other nerve root and plexus disorders
G54.9	Nerve root and plexus disorder, unspecified
G55	Nerve root and plexus compressions in diseases classified elsewhere
G56.01	Carpal tunnel syndrome, right upper limb
G56.02	Carpal tunnel syndrome, left upper limb
G56.03	Carpal tunnel syndrome, bilateral upper limbs
G56.11	Other lesions of median nerve, right upper limb
G56.12	Other lesions of median nerve, left upper limb
G56.13	Other lesions of median nerve, bilateral upper limbs
G56.21	Lesion of ulnar nerve, right upper limb
G56.22	Lesion of ulnar nerve, left upper limb
G56.23	Lesion of ulnar nerve, bilateral upper limbs
G56.31	Lesion of radial nerve, right upper limb
G56.32	Lesion of radial nerve, left upper limb
G56.33	Lesion of radial nerve, bilateral upper limbs
G56.41	Causalgia of right upper limb
G56.42	Causalgia of left upper limb
G56.43	Causalgia of bilateral upper limbs
G56.81	Other specified mononeuropathies of right upper limb



G56.82	Other specified mononeuropathies of left upper limb
G56.83	Other specified mononeuropathies of bilateral upper limbs
G56.91	Unspecified mononeuropathy of right upper limb
G56.92	Unspecified mononeuropathy of left upper limb
G56.93	Unspecified mononeuropathy of bilateral upper limbs
G57.01	Lesion of sciatic nerve, right lower limb
G57.02	Lesion of sciatic nerve, left lower limb
G57.03	Lesion of sciatic nerve, bilateral lower limbs
G57.11	Meralgia paresthetica, right lower limb
G57.12	Meralgia paresthetica, left lower limb
G57.13	Meralgia paresthetica, bilateral lower limbs
G57.21	Lesion of femoral nerve, right lower limb
G57.22	Lesion of femoral nerve, left lower limb
G57.23	Lesion of femoral nerve, bilateral lower limbs
G57.31	Lesion of lateral popliteal nerve, right lower limb
G57.32	Lesion of lateral popliteal nerve, left lower limb
G57.33	Lesion of lateral popliteal nerve, bilateral lower limbs
G57.41	Lesion of medial popliteal nerve, right lower limb
G57.42	Lesion of medial popliteal nerve, left lower limb
G57.43	Lesion of medial popliteal nerve, bilateral lower limbs
G57.51	Tarsal tunnel syndrome, right lower limb
G57.52	Tarsal tunnel syndrome, left lower limb
G57.53	Tarsal tunnel syndrome, bilateral lower limbs
G57.61	Lesion of plantar nerve, right lower limb
G57.62	Lesion of plantar nerve, left lower limb
G57.63	Lesion of plantar nerve, bilateral lower limbs
G57.71	Causalgia of right lower limb
G57.72	Causalgia of left lower limb
G57.73	Causalgia of bilateral lower limbs
G57.81	Other specified mononeuropathies of right lower limb
G57.82	Other specified mononeuropathies of left lower limb
G57.83	Other specified mononeuropathies of bilateral lower limbs
G57.91	Unspecified mononeuropathy of right lower limb
G57.92	Unspecified mononeuropathy of left lower limb
G57.93	Unspecified mononeuropathy of bilateral lower limbs
G58.0	Intercostal neuropathy
G58.7	Mononeuritis multiplex
G58.8	Other specified mononeuropathies
G58.9	Mononeuropathy, unspecified
G59	Mononeuropathy in diseases classified elsewhere
G60.0	Hereditary motor and sensory neuropathy
G60.1	Refsum's disease
G60.2	Neuropathy in association with hereditary ataxia

G60.3	Idiopathic progressive neuropathy
G61.0	Guillain-Barre syndrome
G61.1	Serum neuropathy
G61.81	Chronic inflammatory demyelinating polyneuritis
G61.82	Multifocal motor neuropathy
G62.0	Drug-induced polyneuropathy
G62.1	Alcoholic polyneuropathy
G62.2	Polyneuropathy due to other toxic agents
G62.82	Radiation-induced polyneuropathy
G62.89	Other specified polyneuropathies
G62.9	Polyneuropathy, unspecified
G63	Polyneuropathy in diseases classified elsewhere
G64	Other disorders of peripheral nervous system
G65.0	Sequelae of Guillain-Barre syndrome
G65.1	Sequelae of other inflammatory polyneuropathy
G65.2	Sequelae of toxic polyneuropathy
G70.00	Myasthenia gravis without (acute) exacerbation
G70.01	Myasthenia gravis with (acute) exacerbation
G70.1	Toxic myoneural disorders
G70.2	Congenital and developmental myasthenia
G70.80	Lambert-Eaton syndrome, unspecified
G70.81	Lambert-Eaton syndrome in disease classified elsewhere
G70.9	Myoneural disorder, unspecified
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
G71.20	Congenital myopathy, unspecified
G71.21	Nemaline myopathy
G71.220	X-linked myotubular myopathy
G71.228	Other centronuclear myopathy
G71.29	Other congenital myopathy
G71.3	Mitochondrial myopathy, not elsewhere classified
G71.8	Other primary disorders of muscles
G71.9	Primary disorder of muscle, unspecified
G72.0	Drug-induced myopathy
G72.1	Alcoholic myopathy
G72.2	Myopathy due to other toxic agents

G72.3	Periodic paralysis
G72.41	Inclusion body myositis [IBM]
G72.49	Other inflammatory and immune myopathies, not elsewhere classified
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
G90.09	Other idiopathic peripheral autonomic neuropathy
G90.2	Horner's syndrome
G90.4	Autonomic dysreflexia
G90.511	Complex regional pain syndrome I of right upper limb
G90.512	Complex regional pain syndrome I of left upper limb
G90.513	Complex regional pain syndrome I of upper limb, bilateral
G90.521	Complex regional pain syndrome I of right lower limb
G90.522	Complex regional pain syndrome I of left lower limb
G90.523	Complex regional pain syndrome I of lower limb, bilateral
G90.8	Other disorders of autonomic nervous system
J38.01	Paralysis of vocal cords and larynx, unilateral
J38.02	Paralysis of vocal cords and larynx, bilateral
M05.411	Rheumatoid myopathy with rheumatoid arthritis of right shoulder
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
M21.331	Wrist drop, right wrist
M21.332	Wrist drop, left wrist
M21.371	Foot drop, right foot
M21.372	Foot drop, left foot
M21.511	Acquired clawhand, right hand
M21.512	Acquired clawhand, left hand
M21.531	Acquired clawfoot, right foot
M21.532	Acquired clawfoot, left foot
M21.541	Acquired clubfoot, right foot
M21.542	Acquired clubfoot, left foot
M25.511	Pain in right shoulder
M25.512	Pain in left shoulder
M25.521	Pain in right elbow
M25.522	Pain in left elbow
M25.531	Pain in right wrist
M25.532	Pain in left wrist
M25.541	Pain in joints of right hand
M25.542	Pain in joints of left hand
M25.551	Pain in right hip
M25.552	Pain in left hip
M25.561	Pain in right knee
M25.562	Pain in left knee
M25.711	Osteophyte, right shoulder
M25.712	Osteophyte, left shoulder
M33.00	Juvenile dermatomyositis, organ involvement unspecified
M33.01	Juvenile dermatomyositis with respiratory involvement
M33.02	Juvenile dermatomyositis with myopathy
M33.09	Juvenile dermatomyositis with other organ involvement
M33.10	Other dermatomyositis, organ involvement unspecified
M33.11	Other dermatomyositis with respiratory involvement
M33.12	Other dermatomyositis with myopathy
M33.19	Other dermatomyositis with other organ involvement
M33.20	Polymyositis, organ involvement unspecified
M33.21	Polymyositis with respiratory involvement
M33.22	Polymyositis with myopathy
M33.29	Polymyositis with other organ involvement

M33.90	Dermatopolymyositis, unspecified, organ involvement unspecified
M33.91	Dermatopolymyositis, unspecified with respiratory involvement
M33.92	Dermatopolymyositis, unspecified with myopathy
M33.99	Dermatopolymyositis, unspecified with other organ involvement
M34.82	Systemic sclerosis with myopathy
M34.83	Systemic sclerosis with polyneuropathy
M35.03	Sjogren syndrome with myopathy
M35.06	Sjogren syndrome with peripheral nervous system involvement
M35.07	Sjogren syndrome with central nervous system involvement
M35.3	Polymyalgia rheumatica
M35.4	Diffuse (eosinophilic) fasciitis
M35.81	Multisystem inflammatory syndrome
M35.89	Other specified systemic involvement of connective tissue
M36.0	Dermato(poly)myositis in neoplastic disease
M45.A1	Non-radiographic axial spondyloarthritis of occipito-atlanto-axial region
M45.A2	Non-radiographic axial spondyloarthritis of cervical region
M45.A3	Non-radiographic axial spondyloarthritis of cervicothoracic region
M45.A4	Non-radiographic axial spondyloarthritis of thoracic region
M45.A5	Non-radiographic axial spondyloarthritis of thoracolumbar region
M45.A6	Non-radiographic axial spondyloarthritis of lumbar region
M45.A7	Non-radiographic axial spondyloarthritis of lumbosacral region
M45.A8	Non-radiographic axial spondyloarthritis of sacral and sacrococcygeal region
M45.AB	Non-radiographic axial spondyloarthritis of multiple sites in spine
M47.11	Other spondylosis with myelopathy, occipito-atlanto-axial region
M47.12	Other spondylosis with myelopathy, cervical region
M47.13	Other spondylosis with myelopathy, cervicothoracic region
M47.14	Other spondylosis with myelopathy, thoracic region
M47.15	Other spondylosis with myelopathy, thoracolumbar region
M47.16	Other spondylosis with myelopathy, lumbar region
M47.21	Other spondylosis with radiculopathy, occipito-atlanto-axial region
M47.22	Other spondylosis with radiculopathy, cervical region
M47.23	Other spondylosis with radiculopathy, cervicothoracic region
M47.24	Other spondylosis with radiculopathy, thoracic region
M47.25	Other spondylosis with radiculopathy, thoracolumbar region
M47.26	Other spondylosis with radiculopathy, lumbar region
M47.27	Other spondylosis with radiculopathy, lumbosacral region
M47.28	Other spondylosis with radiculopathy, sacral and sacrococcygeal region
M48.061	Spinal stenosis, lumbar region without neurogenic claudication
M48.062	Spinal stenosis, lumbar region with neurogenic claudication
M51.14	Intervertebral disc disorders with radiculopathy, thoracic region
M51.15	Intervertebral disc disorders with radiculopathy, thoracolumbar region
M51.16	Intervertebral disc disorders with radiculopathy, lumbar region
M51.17	Intervertebral disc disorders with radiculopathy, lumbosacral region

M54.11	Radiculopathy, occipito-atlanto-axial region
M54.12	Radiculopathy, cervical region
M54.13	Radiculopathy, cervicothoracic region
M54.14	Radiculopathy, thoracic region
M54.15	Radiculopathy, thoracolumbar region
M54.16	Radiculopathy, lumbar region
M54.17	Radiculopathy, lumbosacral region
M54.18	Radiculopathy, sacral and sacrococcygeal region
M54.2	Cervicalgia
M54.31	Sciatica, right side
M54.32	Sciatica, left side
M54.41	Lumbago with sciatica, right side
M54.42	Lumbago with sciatica, left side
M54.51	Vertebrogenic low back pain
M54.59	Other low back pain
M62.81	Muscle weakness (generalized)
M79.11	Myalgia of mastication muscle
M79.12	Myalgia of auxiliary muscles, head and neck
M79.18	Myalgia, other site
M79.601	Pain in right arm
M79.602	Pain in left arm
M79.604	Pain in right leg
M79.605	Pain in left leg
M79.621	Pain in right upper arm
M79.622	Pain in left upper arm
M79.631	Pain in right forearm
M79.632	Pain in left forearm
M79.641	Pain in right hand
M79.642	Pain in left hand
M79.644	Pain in right finger(s)
M79.645	Pain in left finger(s)
M79.674	Pain in right toe(s)
M79.675	Pain in left toe(s)
R20.0	Anesthesia of skin
R20.1	Hypoesthesia of skin
R20.2	Paresthesia of skin
R20.3	Hyperesthesia
R20.8	Other disturbances of skin sensation
R25.2	Cramp and spasm
R29.0	Tetany
R53.1	Weakness
S12.100K	Unspecified displaced fracture of second cervical vertebra, subsequent encounter for fracture with nonunion
S12.100S	Unspecified displaced fracture of second cervical vertebra, sequela

S12.101A	Unspecified nondisplaced fracture of second cervical vertebra, initial encounter for closed fracture
S12.101B	Unspecified nondisplaced fracture of second cervical vertebra, initial encounter for open fracture
S12.101D	Unspecified nondisplaced fracture of second cervical vertebra, subsequent encounter for fracture with routine healing
S12.101G	Unspecified nondisplaced fracture of second cervical vertebra, subsequent encounter for fracture with delayed healing
S12.101K	Unspecified nondisplaced fracture of second cervical vertebra, subsequent encounter for fracture with nonunion
S12.101S	Unspecified nondisplaced fracture of second cervical vertebra, sequela
S12.200A	Unspecified displaced fracture of third cervical vertebra, initial encounter for closed fracture
S12.200B	Unspecified displaced fracture of third cervical vertebra, initial encounter for open fracture
S12.200D	Unspecified displaced fracture of third cervical vertebra, subsequent encounter for fracture with routine healing
S12.200G	Unspecified displaced fracture of third cervical vertebra, subsequent encounter for fracture with delayed healing
S12.200K	Unspecified displaced fracture of third cervical vertebra, subsequent encounter for fracture with nonunion
S12.200S	Unspecified displaced fracture of third cervical vertebra, sequela
S12.201A	Unspecified nondisplaced fracture of third cervical vertebra, initial encounter for closed fracture
S12.201B	Unspecified nondisplaced fracture of third cervical vertebra, initial encounter for open fracture
S12.201D	Unspecified nondisplaced fracture of third cervical vertebra, subsequent encounter for fracture with routine healing
S12.201G	Unspecified nondisplaced fracture of third cervical vertebra, subsequent encounter for fracture with delayed healing
S12.201K	Unspecified nondisplaced fracture of third cervical vertebra, subsequent encounter for fracture with nonunion
S12.201S	Unspecified nondisplaced fracture of third cervical vertebra, sequela
S12.300A	Unspecified displaced fracture of fourth cervical vertebra, initial encounter for closed fracture
S12.300B	Unspecified displaced fracture of fourth cervical vertebra, initial encounter for open fracture
S12.300D	Unspecified displaced fracture of fourth cervical vertebra, subsequent encounter for fracture with routine healing
S12.300G	Unspecified displaced fracture of fourth cervical vertebra, subsequent encounter for fracture with delayed healing
S12.300K	Unspecified displaced fracture of fourth cervical vertebra, subsequent encounter for fracture with nonunion
S12.300S	Unspecified displaced fracture of fourth cervical vertebra, sequela
S12.301A	Unspecified nondisplaced fracture of fourth cervical vertebra, initial encounter for closed fracture
S12.301B	Unspecified nondisplaced fracture of fourth cervical vertebra, initial encounter for open fracture
S12.301D	Unspecified nondisplaced fracture of fourth cervical vertebra, subsequent encounter for fracture with routine healing
S12.301G	Unspecified nondisplaced fracture of fourth cervical vertebra, subsequent encounter for fracture with delayed healing
S12.301K	Unspecified nondisplaced fracture of fourth cervical vertebra, subsequent encounter for fracture with nonunion
S12.301S	Unspecified nondisplaced fracture of fourth cervical vertebra, sequela
S12.400A	Unspecified displaced fracture of fifth cervical vertebra, initial encounter for closed fracture
S12.400B	Unspecified displaced fracture of fifth cervical vertebra, initial encounter for open fracture
S12.400D	Unspecified displaced fracture of fifth cervical vertebra, subsequent encounter for fracture with routine healing
S12.400G	Unspecified displaced fracture of fifth cervical vertebra, subsequent encounter for fracture with delayed healing
S12.400K	Unspecified displaced fracture of fifth cervical vertebra, subsequent encounter for fracture with nonunion

S12.400S	Unspecified displaced fracture of fifth cervical vertebra, sequela
S12.401A	Unspecified nondisplaced fracture of fifth cervical vertebra, initial encounter for closed fracture
S12.401B	Unspecified nondisplaced fracture of fifth cervical vertebra, initial encounter for open fracture
S12.401D	Unspecified nondisplaced fracture of fifth cervical vertebra, subsequent encounter for fracture with routine healing
S12.401G	Unspecified nondisplaced fracture of fifth cervical vertebra, subsequent encounter for fracture with delayed healing
S12.401K	Unspecified nondisplaced fracture of fifth cervical vertebra, subsequent encounter for fracture with nonunion
S12.401S	Unspecified nondisplaced fracture of fifth cervical vertebra, sequela
S12.500A	Unspecified displaced fracture of sixth cervical vertebra, initial encounter for closed fracture
S12.500B	Unspecified displaced fracture of sixth cervical vertebra, initial encounter for open fracture
S12.500D	Unspecified displaced fracture of sixth cervical vertebra, subsequent encounter for fracture with routine healing
S12.500G	Unspecified displaced fracture of sixth cervical vertebra, subsequent encounter for fracture with delayed healing
S12.500K	Unspecified displaced fracture of sixth cervical vertebra, subsequent encounter for fracture with nonunion
S12.500S	Unspecified displaced fracture of sixth cervical vertebra, sequela
S12.501A	Unspecified nondisplaced fracture of sixth cervical vertebra, initial encounter for closed fracture
S12.501B	Unspecified nondisplaced fracture of sixth cervical vertebra, initial encounter for open fracture
S12.501D	Unspecified nondisplaced fracture of sixth cervical vertebra, subsequent encounter for fracture with routine healing
S12.501G	Unspecified nondisplaced fracture of sixth cervical vertebra, subsequent encounter for fracture with delayed healing
S12.501K	Unspecified nondisplaced fracture of sixth cervical vertebra, subsequent encounter for fracture with nonunion
S12.501S	Unspecified nondisplaced fracture of sixth cervical vertebra, sequela
S12.600A	Unspecified displaced fracture of seventh cervical vertebra, initial encounter for closed fracture
S12.600B	Unspecified displaced fracture of seventh cervical vertebra, initial encounter for open fracture
S12.600D	Unspecified displaced fracture of seventh cervical vertebra, subsequent encounter for fracture with routine healing
S12.600G	Unspecified displaced fracture of seventh cervical vertebra, subsequent encounter for fracture with delayed healing
S12.600K	Unspecified displaced fracture of seventh cervical vertebra, subsequent encounter for fracture with nonunion
S12.600S	Unspecified displaced fracture of seventh cervical vertebra, sequela
S12.601A	Unspecified nondisplaced fracture of seventh cervical vertebra, initial encounter for closed fracture
S12.601B	Unspecified nondisplaced fracture of seventh cervical vertebra, initial encounter for open fracture
S12.9XXA	Fracture of neck, unspecified, initial encounter
S12.9XXD	Fracture of neck, unspecified, subsequent encounter
S12.9XXS	Fracture of neck, unspecified, sequela
S14.0XXA	Concussion and edema of cervical spinal cord, initial encounter
S14.101A	Unspecified injury at C1 level of cervical spinal cord, initial encounter
S14.101D	Unspecified injury at C1 level of cervical spinal cord, subsequent encounter
S14.101S	Unspecified injury at C1 level of cervical spinal cord, sequela
S14.102A	Unspecified injury at C2 level of cervical spinal cord, initial encounter
S14.102D	Unspecified injury at C2 level of cervical spinal cord, subsequent encounter
S14.102S	Unspecified injury at C2 level of cervical spinal cord, sequela
S14.103A	Unspecified injury at C3 level of cervical spinal cord, initial encounter



S14.103D	Unspecified injury at C3 level of cervical spinal cord, subsequent encounter
S14.103S	Unspecified injury at C3 level of cervical spinal cord, sequela
S14.104A	Unspecified injury at C4 level of cervical spinal cord, initial encounter
S14.104D	Unspecified injury at C4 level of cervical spinal cord, subsequent encounter
S14.104S	Unspecified injury at C4 level of cervical spinal cord, sequela
S14.105A	Unspecified injury at C5 level of cervical spinal cord, initial encounter
S14.105D	Unspecified injury at C5 level of cervical spinal cord, subsequent encounter
S14.105S	Unspecified injury at C5 level of cervical spinal cord, sequela
S14.106A	Unspecified injury at C6 level of cervical spinal cord, initial encounter
S14.106D	Unspecified injury at C6 level of cervical spinal cord, subsequent encounter
S14.106S	Unspecified injury at C6 level of cervical spinal cord, sequela
S14.107A	Unspecified injury at C7 level of cervical spinal cord, initial encounter
S14.107D	Unspecified injury at C7 level of cervical spinal cord, subsequent encounter
S14.107S	Unspecified injury at C7 level of cervical spinal cord, sequela
S14.108A	Unspecified injury at C8 level of cervical spinal cord, initial encounter
S14.108D	Unspecified injury at C8 level of cervical spinal cord, subsequent encounter
S14.108S	Unspecified injury at C8 level of cervical spinal cord, sequela
S14.111A	Complete lesion at C1 level of cervical spinal cord, initial encounter
S14.111D	Complete lesion at C1 level of cervical spinal cord, subsequent encounter
S14.111S	Complete lesion at C1 level of cervical spinal cord, sequela
S14.112A	Complete lesion at C2 level of cervical spinal cord, initial encounter
S14.112D	Complete lesion at C2 level of cervical spinal cord, subsequent encounter
S14.112S	Complete lesion at C2 level of cervical spinal cord, sequela
S14.113A	Complete lesion at C3 level of cervical spinal cord, initial encounter
S14.113D	Complete lesion at C3 level of cervical spinal cord, subsequent encounter
S14.113S	Complete lesion at C3 level of cervical spinal cord, sequela
S14.114A	Complete lesion at C4 level of cervical spinal cord, initial encounter
S14.114D	Complete lesion at C4 level of cervical spinal cord, subsequent encounter
S14.114S	Complete lesion at C4 level of cervical spinal cord, sequela
S14.115A	Complete lesion at C5 level of cervical spinal cord, initial encounter
S14.115D	Complete lesion at C5 level of cervical spinal cord, subsequent encounter
S14.115S	Complete lesion at C5 level of cervical spinal cord, sequela
S14.116A	Complete lesion at C6 level of cervical spinal cord, initial encounter
S14.116D	Complete lesion at C6 level of cervical spinal cord, subsequent encounter
S14.116S	Complete lesion at C6 level of cervical spinal cord, sequela
S14.117A	Complete lesion at C7 level of cervical spinal cord, initial encounter
S14.117D	Complete lesion at C7 level of cervical spinal cord, subsequent encounter
S14.117S	Complete lesion at C7 level of cervical spinal cord, sequela
S14.118A	Complete lesion at C8 level of cervical spinal cord, initial encounter
S14.118D	Complete lesion at C8 level of cervical spinal cord, subsequent encounter
S14.118S	Complete lesion at C8 level of cervical spinal cord, sequela
S14.121A	Central cord syndrome at C1 level of cervical spinal cord, initial encounter
S14.121D	Central cord syndrome at C1 level of cervical spinal cord, subsequent encounter

S14.121S	Central cord syndrome at C1 level of cervical spinal cord, sequela
S14.122A	Central cord syndrome at C2 level of cervical spinal cord, initial encounter
S14.122D	Central cord syndrome at C2 level of cervical spinal cord, subsequent encounter
S14.122S	Central cord syndrome at C2 level of cervical spinal cord, sequela
S14.123A	Central cord syndrome at C3 level of cervical spinal cord, initial encounter
S14.123D	Central cord syndrome at C3 level of cervical spinal cord, subsequent encounter
S14.123S	Central cord syndrome at C3 level of cervical spinal cord, sequela
S14.124A	Central cord syndrome at C4 level of cervical spinal cord, initial encounter
S14.124D	Central cord syndrome at C4 level of cervical spinal cord, subsequent encounter
S14.124S	Central cord syndrome at C4 level of cervical spinal cord, sequela
S14.125A	Central cord syndrome at C5 level of cervical spinal cord, initial encounter
S14.125D	Central cord syndrome at C5 level of cervical spinal cord, subsequent encounter
S14.125S	Central cord syndrome at C5 level of cervical spinal cord, sequela
S14.126A	Central cord syndrome at C6 level of cervical spinal cord, initial encounter
S14.126D	Central cord syndrome at C6 level of cervical spinal cord, subsequent encounter
S14.126S	Central cord syndrome at C6 level of cervical spinal cord, sequela
S14.127A	Central cord syndrome at C7 level of cervical spinal cord, initial encounter
S14.127D	Central cord syndrome at C7 level of cervical spinal cord, subsequent encounter
S14.127S	Central cord syndrome at C7 level of cervical spinal cord, sequela
S14.128A	Central cord syndrome at C8 level of cervical spinal cord, initial encounter
S14.128D	Central cord syndrome at C8 level of cervical spinal cord, subsequent encounter
S14.128S	Central cord syndrome at C8 level of cervical spinal cord, sequela
S14.131A	Anterior cord syndrome at C1 level of cervical spinal cord, initial encounter
S14.131D	Anterior cord syndrome at C1 level of cervical spinal cord, subsequent encounter
S14.131S	Anterior cord syndrome at C1 level of cervical spinal cord, sequela
S14.132A	Anterior cord syndrome at C2 level of cervical spinal cord, initial encounter
S14.132D	Anterior cord syndrome at C2 level of cervical spinal cord, subsequent encounter
S14.132S	Anterior cord syndrome at C2 level of cervical spinal cord, sequela
S14.133A	Anterior cord syndrome at C3 level of cervical spinal cord, initial encounter
S14.133D	Anterior cord syndrome at C3 level of cervical spinal cord, subsequent encounter
S14.133S	Anterior cord syndrome at C3 level of cervical spinal cord, sequela
S14.134A	Anterior cord syndrome at C4 level of cervical spinal cord, initial encounter
S14.134D	Anterior cord syndrome at C4 level of cervical spinal cord, subsequent encounter
S14.134S	Anterior cord syndrome at C4 level of cervical spinal cord, sequela
S14.135A	Anterior cord syndrome at C5 level of cervical spinal cord, initial encounter
S14.135D	Anterior cord syndrome at C5 level of cervical spinal cord, subsequent encounter
S14.135S	Anterior cord syndrome at C5 level of cervical spinal cord, sequela
S14.136A	Anterior cord syndrome at C6 level of cervical spinal cord, initial encounter
S14.136D	Anterior cord syndrome at C6 level of cervical spinal cord, subsequent encounter
S14.136S	Anterior cord syndrome at C6 level of cervical spinal cord, sequela
S14.137A	Anterior cord syndrome at C7 level of cervical spinal cord, initial encounter
S14.137D	Anterior cord syndrome at C7 level of cervical spinal cord, subsequent encounter
S14.137S	Anterior cord syndrome at C7 level of cervical spinal cord, sequela

S14.138A	Anterior cord syndrome at C8 level of cervical spinal cord, initial encounter
S14.138D	Anterior cord syndrome at C8 level of cervical spinal cord, subsequent encounter
S14.138S	Anterior cord syndrome at C8 level of cervical spinal cord, sequela
S14.141A	Brown-Sequard syndrome at C1 level of cervical spinal cord, initial encounter
S14.141D	Brown-Sequard syndrome at C1 level of cervical spinal cord, subsequent encounter
S14.141S	Brown-Sequard syndrome at C1 level of cervical spinal cord, sequela
S14.142A	Brown-Sequard syndrome at C2 level of cervical spinal cord, initial encounter
S14.142D	Brown-Sequard syndrome at C2 level of cervical spinal cord, subsequent encounter
S14.142S	Brown-Sequard syndrome at C2 level of cervical spinal cord, sequela
S14.143A	Brown-Sequard syndrome at C3 level of cervical spinal cord, initial encounter
S14.143D	Brown-Sequard syndrome at C3 level of cervical spinal cord, subsequent encounter
S14.143S	Brown-Sequard syndrome at C3 level of cervical spinal cord, sequela
S14.144A	Brown-Sequard syndrome at C4 level of cervical spinal cord, initial encounter
S14.144D	Brown-Sequard syndrome at C4 level of cervical spinal cord, subsequent encounter
S14.144S	Brown-Sequard syndrome at C4 level of cervical spinal cord, sequela
S14.145A	Brown-Sequard syndrome at C5 level of cervical spinal cord, initial encounter
S14.145D	Brown-Sequard syndrome at C5 level of cervical spinal cord, subsequent encounter
S14.145S	Brown-Sequard syndrome at C5 level of cervical spinal cord, sequela
S14.146A	Brown-Sequard syndrome at C6 level of cervical spinal cord, initial encounter
S14.146D	Brown-Sequard syndrome at C6 level of cervical spinal cord, subsequent encounter
S14.146S	Brown-Sequard syndrome at C6 level of cervical spinal cord, sequela
S14.147A	Brown-Sequard syndrome at C7 level of cervical spinal cord, initial encounter
S14.147D	Brown-Sequard syndrome at C7 level of cervical spinal cord, subsequent encounter
S14.147S	Brown-Sequard syndrome at C7 level of cervical spinal cord, sequela
S14.148A	Brown-Sequard syndrome at C8 level of cervical spinal cord, initial encounter
S14.148D	Brown-Sequard syndrome at C8 level of cervical spinal cord, subsequent encounter
S14.148S	Brown-Sequard syndrome at C8 level of cervical spinal cord, sequela
S14.151A	Other incomplete lesion at C1 level of cervical spinal cord, initial encounter
S14.151D	Other incomplete lesion at C1 level of cervical spinal cord, subsequent encounter
S14.151S	Other incomplete lesion at C1 level of cervical spinal cord, sequela
S14.152A	Other incomplete lesion at C2 level of cervical spinal cord, initial encounter
S14.152D	Other incomplete lesion at C2 level of cervical spinal cord, subsequent encounter
S14.152S	Other incomplete lesion at C2 level of cervical spinal cord, sequela
S14.153A	Other incomplete lesion at C3 level of cervical spinal cord, initial encounter
S14.153D	Other incomplete lesion at C3 level of cervical spinal cord, subsequent encounter
S14.153S	Other incomplete lesion at C3 level of cervical spinal cord, sequela
S14.156A	Other incomplete lesion at C6 level of cervical spinal cord, initial encounter
S14.156D	Other incomplete lesion at C6 level of cervical spinal cord, subsequent encounter
S14.156S	Other incomplete lesion at C6 level of cervical spinal cord, sequela
S14.157A	Other incomplete lesion at C7 level of cervical spinal cord, initial encounter
S14.157D	Other incomplete lesion at C7 level of cervical spinal cord, subsequent encounter
S14.157S	Other incomplete lesion at C7 level of cervical spinal cord, sequela
S14.158A	Other incomplete lesion at C8 level of cervical spinal cord, initial encounter

S14.158D	Other incomplete lesion at C8 level of cervical spinal cord, subsequent encounter
S14.158S	Other incomplete lesion at C8 level of cervical spinal cord, sequela
S14.2XXA	Injury of nerve root of cervical spine, initial encounter
S14.2XXD	Injury of nerve root of cervical spine, subsequent encounter
S14.2XXS	Injury of nerve root of cervical spine, sequela
S14.3XXA	Injury of brachial plexus, initial encounter
S14.3XXD	Injury of brachial plexus, subsequent encounter
S14.3XXS	Injury of brachial plexus, sequela
S14.4XXA	Injury of peripheral nerves of neck, initial encounter
S14.4XXD	Injury of peripheral nerves of neck, subsequent encounter
S14.4XXS	Injury of peripheral nerves of neck, sequela
S14.5XXA	Injury of cervical sympathetic nerves, initial encounter
S14.5XXD	Injury of cervical sympathetic nerves, subsequent encounter
S14.5XXS	Injury of cervical sympathetic nerves, sequela
S14.8XXA	Injury of other specified nerves of neck, initial encounter
S14.8XXD	Injury of other specified nerves of neck, subsequent encounter
S14.8XXS	Injury of other specified nerves of neck, sequela
S14.9XXA	Injury of unspecified nerves of neck, initial encounter
S14.9XXD	Injury of unspecified nerves of neck, subsequent encounter
S14.9XXS	Injury of unspecified nerves of neck, sequela
S22.019A	Unspecified fracture of first thoracic vertebra, initial encounter for closed fracture
S22.019B	Unspecified fracture of first thoracic vertebra, initial encounter for open fracture
S22.019D	Unspecified fracture of first thoracic vertebra, subsequent encounter for fracture with routine healing
S22.019G	Unspecified fracture of first thoracic vertebra, subsequent encounter for fracture with delayed healing
S22.019K	Unspecified fracture of first thoracic vertebra, subsequent encounter for fracture with nonunion
S22.019S	Unspecified fracture of first thoracic vertebra, sequela
S22.029A	Unspecified fracture of second thoracic vertebra, initial encounter for closed fracture
S22.029B	Unspecified fracture of second thoracic vertebra, initial encounter for open fracture
S22.029D	Unspecified fracture of second thoracic vertebra, subsequent encounter for fracture with routine healing
S22.029G	Unspecified fracture of second thoracic vertebra, subsequent encounter for fracture with delayed healing
S22.029K	Unspecified fracture of second thoracic vertebra, subsequent encounter for fracture with nonunion
S22.029S	Unspecified fracture of second thoracic vertebra, sequela
S22.039A	Unspecified fracture of third thoracic vertebra, initial encounter for closed fracture
S22.039B	Unspecified fracture of third thoracic vertebra, initial encounter for open fracture
S22.039D	Unspecified fracture of third thoracic vertebra, subsequent encounter for fracture with routine healing
S22.039G	Unspecified fracture of third thoracic vertebra, subsequent encounter for fracture with delayed healing
S22.039K	Unspecified fracture of third thoracic vertebra, subsequent encounter for fracture with nonunion
S33.039S	Unspecified fracture of third thoracic vertebra, sequela
S22.049A	Unspecified fracture of fourth thoracic vertebra, initial encounter for closed fracture
S22.049B	Unspecified fracture of fourth thoracic vertebra, initial encounter for open fracture
S22.049D	Unspecified fracture of fourth thoracic vertebra, subsequent encounter for fracture with routine healing
S22.049G	Unspecified fracture of fourth thoracic vertebra, subsequent encounter for fracture with delayed healing
S22.049K	Unspecified fracture of fourth thoracic vertebra, subsequent encounter for fracture with nonunion

S22.049S	Unspecified fracture of fourth thoracic vertebra, sequela
S22.059A	Unspecified fracture of T5-T6 vertebra, initial encounter for closed fracture
S22.059B	Unspecified fracture of T5-T6 vertebra, initial encounter for open fracture
S22.059D	Unspecified fracture of T5-T6 vertebra, subsequent encounter for fracture with routine healing
S22.059G	Unspecified fracture of T5-T6 vertebra, subsequent encounter for fracture with delayed healing
S22.059K	Unspecified fracture of T5-T6 vertebra, subsequent encounter for fracture with nonunion
S22.059S	Unspecified fracture of T5-T6 vertebra, sequela
S22.069A	Unspecified fracture of T7-T8 vertebra, initial encounter for closed fracture
S22.069B	Unspecified fracture of T7-T8 vertebra, initial encounter for open fracture
S22.069D	Unspecified fracture of T7-T8 vertebra, subsequent encounter for fracture with routine healing
S22.069G	Unspecified fracture of T7-T8 vertebra, subsequent encounter for fracture with delayed healing
S22.069K	Unspecified fracture of T7-T8 vertebra, subsequent encounter for fracture with nonunion
S22.069S	Unspecified fracture of T7-T8 vertebra, sequela
S22.079A	Unspecified fracture of T9-T10 vertebra, initial encounter for closed fracture
S22.079B	Unspecified fracture of T9-T10 vertebra, initial encounter for open fracture
S22.079D	Unspecified fracture of T9-T10 vertebra, subsequent encounter for fracture with routine healing
S22.079G	Unspecified fracture of T9-T10 vertebra, subsequent encounter for fracture with delayed healing
S22.079K	Unspecified fracture of T9-T10 vertebra, subsequent encounter for fracture with nonunion
S22.079S	Unspecified fracture of T9-T10 vertebra, sequela
S22.089A	Unspecified fracture of T11-T12 vertebra, initial encounter for closed fracture
S22.089B	Unspecified fracture of T11-T12 vertebra, initial encounter for open fracture
S22.089D	Unspecified fracture of T11-T12 vertebra, subsequent encounter for fracture with routine healing
S22.089G	Unspecified fracture of T11-T12 vertebra, subsequent encounter for fracture with delayed healing
S22.089K	Unspecified fracture of T11-T12 vertebra, subsequent encounter for fracture with nonunion
S22.089S	Unspecified fracture of T11-T12 vertebra, sequela
S24.0XXA	Concussion and edema of thoracic spinal cord, initial encounter
S24.0XXD	Concussion and edema of thoracic spinal cord, subsequent encounter
S24.0XXS	Concussion and edema of thoracic spinal cord, sequela
S24.101A	Unspecified injury at T1 level of thoracic spinal cord, initial encounter
S24.101D	Unspecified injury at T1 level of thoracic spinal cord, subsequent encounter
S24.101S	Unspecified injury at T1 level of thoracic spinal cord, sequela
S24.102A	Unspecified injury at T2-T6 level of thoracic spinal cord, initial encounter
S24.102D	Unspecified injury at T2-T6 level of thoracic spinal cord, subsequent encounter
S24.102S	Unspecified injury at T2-T6 level of thoracic spinal cord, sequela
S24.103A	Unspecified injury at T7-T10 level of thoracic spinal cord, initial encounter
S24.103D	Unspecified injury at T7-T10 level of thoracic spinal cord, subsequent encounter
S24.103S	Unspecified injury at T7-T10 level of thoracic spinal cord, sequela
S24.104A	Unspecified injury at T11-T12 level of thoracic spinal cord, initial encounter
S24.104D	Unspecified injury at T11-T12 level of thoracic spinal cord, subsequent encounter
S24.104S	Unspecified injury at T11-T12 level of thoracic spinal cord, sequela
S24.109A	Unspecified injury at unspecified level of thoracic spinal cord, initial encounter
S24.109D	Unspecified injury at unspecified level of thoracic spinal cord, subsequent encounter
S24.109S	Unspecified injury at unspecified level of thoracic spinal cord, sequela

S24.111A	Complete lesion at T1 level of thoracic spinal cord, initial encounter
S24.111D	Complete lesion at T1 level of thoracic spinal cord, subsequent encounter
S24.111S	Complete lesion at T1 level of thoracic spinal cord, sequela
S24.112A	Complete lesion at T2-T6 level of thoracic spinal cord, initial encounter
S24.112D	Complete lesion at T2-T6 level of thoracic spinal cord, subsequent encounter
S24.112S	Complete lesion at T2-T6 level of thoracic spinal cord, sequela
S24.113A	Complete lesion at T7-T10 level of thoracic spinal cord, initial encounter
S24.113D	Complete lesion at T7-T10 level of thoracic spinal cord, subsequent encounter
S24.113S	Complete lesion at T7-T10 level of thoracic spinal cord, sequela
S24.114A	Complete lesion at T11-T12 level of thoracic spinal cord, initial encounter
S24.114D	Complete lesion at T11-T12 level of thoracic spinal cord, subsequent encounter
S24.114S	Complete lesion at T11-T12 level of thoracic spinal cord, sequela
S24.131A	Anterior cord syndrome at T1 level of thoracic spinal cord, initial encounter
S24.131D	Anterior cord syndrome at T1 level of thoracic spinal cord, subsequent encounter
S24.131S	Anterior cord syndrome at T1 level of thoracic spinal cord, sequela
S24.132A	Anterior cord syndrome at T2-T6 level of thoracic spinal cord, initial encounter
S24.132D	Anterior cord syndrome at T2-T6 level of thoracic spinal cord, subsequent encounter
S24.132S	Anterior cord syndrome at T2-T6 level of thoracic spinal cord, sequela
S24.133A	Anterior cord syndrome at T7-T10 level of thoracic spinal cord, initial encounter
S24.133D	Anterior cord syndrome at T7-T10 level of thoracic spinal cord, subsequent encounter
S24.133S	Anterior cord syndrome at T7-T10 level of thoracic spinal cord, sequela
S24.134A	Anterior cord syndrome at T11-T12 level of thoracic spinal cord, initial encounter
S24.134D	Anterior cord syndrome at T11-T12 level of thoracic spinal cord, subsequent encounter
S24.134S	Anterior cord syndrome at T11-T12 level of thoracic spinal cord, sequela
S24.141A	Brown-Sequard syndrome at T1 level of thoracic spinal cord, initial encounter
S24.141D	Brown-Sequard syndrome at T1 level of thoracic spinal cord, subsequent encounter
S24.141S	Brown-Sequard syndrome at T1 level of thoracic spinal cord, sequela
S24.142A	Brown-Sequard syndrome at T2-T6 level of thoracic spinal cord, initial encounter
S24.142D	Brown-Sequard syndrome at T2-T6 level of thoracic spinal cord, subsequent encounter
S24.142S	Brown-Sequard syndrome at T2-T6 level of thoracic spinal cord, sequela
S24.143A	Brown-Sequard syndrome at T7-T10 level of thoracic spinal cord, initial encounter
S24.143D	Brown-Sequard syndrome at T7-T10 level of thoracic spinal cord, subsequent encounter
S24.143S	Brown-Sequard syndrome at T7-T10 level of thoracic spinal cord, sequela
S24.144A	Brown-Sequard syndrome at T11-T12 level of thoracic spinal cord, initial encounter
S24.144D	Brown-Sequard syndrome at T11-T12 level of thoracic spinal cord, subsequent encounter
S24.144S	Brown-Sequard syndrome at T11-T12 level of thoracic spinal cord, sequela
S24.151A	Other incomplete lesion at T1 level of thoracic spinal cord, initial encounter
S24.151D	Other incomplete lesion at T1 level of thoracic spinal cord, subsequent encounter
S24.151S	Other incomplete lesion at T1 level of thoracic spinal cord, sequela
S24.152A	Other incomplete lesion at T2-T6 level of thoracic spinal cord, initial encounter
S24.152D	Other incomplete lesion at T2-T6 level of thoracic spinal cord, subsequent encounter
S24.152S	Other incomplete lesion at T2-T6 level of thoracic spinal cord, sequela
S24.153A	Other incomplete lesion at T7-T10 level of thoracic spinal cord, initial encounter

S24.153D	Other incomplete lesion at T7-T10 level of thoracic spinal cord, subsequent encounter
S24.153S	Other incomplete lesion at T7-T10 level of thoracic spinal cord, sequela
S24.154A	Other incomplete lesion at T11-T12 level of thoracic spinal cord, initial encounter
S24.154D	Other incomplete lesion at T11-T12 level of thoracic spinal cord, subsequent encounter
S24.154S	Other incomplete lesion at T11-T12 level of thoracic spinal cord, sequela
S24.2XXA	Injury of nerve root of thoracic spine, initial encounter
S24.2XXD	Injury of nerve root of thoracic spine, subsequent encounter
S24.2XXS	Injury of nerve root of thoracic spine, sequela
S24.3XXA	Injury of peripheral nerves of thorax, initial encounter
S24.3XXD	Injury of peripheral nerves of thorax, subsequent encounter
S24.3XXS	Injury of peripheral nerves of thorax, sequela
S24.4XXA	Injury of thoracic sympathetic nervous system, initial encounter
S24.4XXD	Injury of thoracic sympathetic nervous system, subsequent encounter
S24.4XXS	Injury of thoracic sympathetic nervous system, sequela
S24.8XXA	Injury of other specified nerves of thorax, initial encounter
S24.8XXD	Injury of other specified nerves of thorax, subsequent encounter
S24.8XXS	Injury of other specified nerves of thorax, sequela
S24.9XXA	Injury of unspecified nerve of thorax, initial encounter
S24.9XXD	Injury of unspecified nerve of thorax, subsequent encounter
S24.9XXS	Injury of unspecified nerve of thorax, sequela
S32.019A	Unspecified fracture of first lumbar vertebra, initial encounter for closed fracture
S32.019B	Unspecified fracture of first lumbar vertebra, initial encounter for open fracture
S32.019D	Unspecified fracture of first lumbar vertebra, subsequent encounter for fracture with routine healing
S32.019G	Unspecified fracture of first lumbar vertebra, subsequent encounter for fracture with delayed healing
S32.019K	Unspecified fracture of first lumbar vertebra, subsequent encounter for fracture with nonunion
S32.019S	Unspecified fracture of first lumbar vertebra, sequela
S32.029A	Unspecified fracture of second lumbar vertebra, initial encounter for closed fracture
S32.029B	Unspecified fracture of second lumbar vertebra, initial encounter for open fracture
S32.029D	Unspecified fracture of second lumbar vertebra, subsequent encounter for fracture with routine healing
S32.029G	Unspecified fracture of second lumbar vertebra, subsequent encounter for fracture with delayed healing
S32.029K	Unspecified fracture of second lumbar vertebra, subsequent encounter for fracture with nonunion
S32.029S	Unspecified fracture of second lumbar vertebra, sequela
S32.039A	Wedge compression fracture of third lumbar vertebra, initial encounter for closed fracture
S32.039B	Wedge compression fracture of third lumbar vertebra, initial encounter for open fracture
S32.039D	Wedge compression fracture of third lumbar vertebra, subsequent encounter for fracture with routine healing
S32.039G	Wedge compression fracture of third lumbar vertebra, subsequent encounter for fracture with delayed healing
S32.039K	Wedge compression fracture of third lumbar vertebra, subsequent encounter for fracture with nonunion
S32.039S	Wedge compression fracture of third lumbar vertebra, sequela
S32.049A	Unspecified fracture of fourth lumbar vertebra, initial encounter for closed fracture
S32.049B	Unspecified fracture of fourth lumbar vertebra, initial encounter for open fracture
S32.049D	Unspecified fracture of fourth lumbar vertebra, subsequent encounter for fracture with routine healing
S32.049G	Unspecified fracture of fourth lumbar vertebra, subsequent encounter for fracture with delayed healing

S32.049K	Unspecified fracture of fourth lumbar vertebra, subsequent encounter for fracture with nonunion
S32.049S	Unspecified fracture of fourth lumbar vertebra, sequela
S32.059A	Unspecified fracture of fifth lumbar vertebra, initial encounter for closed fracture
S32.059B	Unspecified fracture of fifth lumbar vertebra, initial encounter for open fracture
S32.059D	Unspecified fracture of fifth lumbar vertebra, subsequent encounter for fracture with routine healing
S32.059G	Unspecified fracture of fifth lumbar vertebra, subsequent encounter for fracture with delayed healing
S32.059K	Unspecified fracture of fifth lumbar vertebra, subsequent encounter for fracture with nonunion
S32.059S	Unspecified fracture of fifth lumbar vertebra, sequela
S32.10XA	Unspecified fracture of sacrum, initial encounter for closed fracture
S32.10XB	Unspecified fracture of sacrum, initial encounter for open fracture
S32.10XD	Unspecified fracture of sacrum, subsequent encounter for fracture with routine healing
S32.10XG	Unspecified fracture of sacrum, subsequent encounter for fracture with delayed healing
S32.10XK	Unspecified fracture of sacrum, subsequent encounter for fracture with nonunion
S32.10XS	Unspecified fracture of sacrum, sequela
S32.2XXA	Fracture of coccyx, initial encounter for closed fracture
S32.2XXB	Fracture of coccyx, initial encounter for open fracture
S32.2XXG	Fracture of coccyx, subsequent encounter for fracture with delayed healing
S32.2XXK	Fracture of coccyx, subsequent encounter for fracture with nonunion
S32.2XXS	Fracture of coccyx, sequela
S34.02XA	Concussion and edema of sacral spinal cord, initial encounter
S34.131A	Complete lesion of sacral spinal cord, initial encounter
S34.131D	Complete lesion of sacral spinal cord, subsequent encounter
S34.131S	Complete lesion of sacral spinal cord, sequela
S34.132A	Incomplete lesion of sacral spinal cord, initial encounter
S34.132D	Incomplete lesion of sacral spinal cord, subsequent encounter
S34.132S	Incomplete lesion of sacral spinal cord, sequela
S34.139A	Unspecified injury to sacral spinal cord, initial encounter
S34.139D	Unspecified injury to sacral spinal cord, subsequent encounter
S34.139S	Unspecified injury to sacral spinal cord, sequela
S34.21XA	Injury of nerve root of lumbar spine, initial encounter
S34.21XD	Injury of nerve root of lumbar spine, subsequent encounter
S34.21XS	Injury of nerve root of lumbar spine, sequela
S34.22XA	Injury of nerve root of sacral spine, initial encounter
S34.22XD	Injury of nerve root of sacral spine, subsequent encounter
S34.22XS	Injury of nerve root of sacral spine, sequela
S34.3XXA	Injury of cauda equina, initial encounter
S34.3XXD	Injury of cauda equina, subsequent encounter
S34.3XXS	Injury of cauda equina, sequela
S34.4XXA	Injury of lumbosacral plexus, initial encounter
S34.4XXD	Injury of lumbosacral plexus, subsequent encounter
S34.4XXS	Injury of lumbosacral plexus, sequela
S34.5XXA	Injury of lumbar, sacral and pelvic sympathetic nerves, initial encounter
S34.5XXD	Injury of lumbar, sacral and pelvic sympathetic nerves, subsequent encounter



S34.5XXS	Injury of lumbar, sacral and pelvic sympathetic nerves, sequela
S34.6XXA	Injury of peripheral nerve(s) at abdomen, lower back and pelvis level, initial encounter
S34.6XXD	Injury of peripheral nerve(s) at abdomen, lower back and pelvis level, subsequent encounter
S34.6XXS	Injury of peripheral nerve(s) at abdomen, lower back and pelvis level, sequela
S34.8XXA	Injury of other nerves at abdomen, lower back and pelvis level, initial encounter
S34.8XXD	Injury of other nerves at abdomen, lower back and pelvis level, subsequent encounter
S34.8XXS	Injury of other nerves at abdomen, lower back and pelvis level, sequela
S34.9XXA	Injury of unspecified nerves at abdomen, lower back and pelvis level, initial encounter
S34.9XXD	Injury of unspecified nerves at abdomen, lower back and pelvis level, subsequent encounter
S34.9XXS	Injury of unspecified nerves at abdomen, lower back and pelvis level, sequela
S44.01XA	Injury of ulnar nerve at upper arm level, right arm, initial encounter
S44.01XD	Injury of ulnar nerve at upper arm level, right arm, subsequent encounter
S44.01XS	Injury of ulnar nerve at upper arm level, right arm, sequela
S44.02XA	Injury of ulnar nerve at upper arm level, left arm, initial encounter
S44.02XD	Injury of ulnar nerve at upper arm level, left arm, subsequent encounter
S44.02XS	Injury of ulnar nerve at upper arm level, left arm, sequela
S44.11XA	Injury of median nerve at upper arm level, right arm, initial encounter
S44.11XD	Injury of median nerve at upper arm level, right arm, subsequent encounter
S44.11XS	Injury of median nerve at upper arm level, right arm, sequela
S44.12XA	Injury of median nerve at upper arm level, left arm, initial encounter
S44.12XD	Injury of median nerve at upper arm level, left arm, subsequent encounter
S44.12XS	Injury of median nerve at upper arm level, left arm, sequela
S44.21XA	Injury of radial nerve at upper arm level, right arm, initial encounter
S44.21XD	Injury of radial nerve at upper arm level, right arm, subsequent encounter
S44.21XS	Injury of radial nerve at upper arm level, right arm, sequela
S44.22XA	Injury of radial nerve at upper arm level, left arm, initial encounter
S44.22XD	Injury of radial nerve at upper arm level, left arm, subsequent encounter
S44.22XS	Injury of radial nerve at upper arm level, left arm, sequela
S44.31XA	Injury of axillary nerve, right arm, initial encounter
S44.31XD	Injury of axillary nerve, right arm, subsequent encounter
S44.31XS	Injury of axillary nerve, right arm, sequela
S44.32XA	Injury of axillary nerve, left arm, initial encounter
S44.32XD	Injury of axillary nerve, left arm, subsequent encounter
S44.32XS	Injury of axillary nerve, left arm, sequela
S44.41XA	Injury of musculocutaneous nerve, right arm, initial encounter
S44.41XD	Injury of musculocutaneous nerve, right arm, subsequent encounter
S44.41XS	Injury of musculocutaneous nerve, right arm, sequela
S44.42XA	Injury of musculocutaneous nerve, left arm, initial encounter
S44.42XD	Injury of musculocutaneous nerve, left arm, subsequent encounter
S44.42XS	Injury of musculocutaneous nerve, left arm, sequela
S44.51XA	Injury of cutaneous sensory nerve at shoulder and upper arm level, right arm, initial encounter
S44.51XD	Injury of cutaneous sensory nerve at shoulder and upper arm level, right arm, subsequent encounter
S44.51XS	Injury of cutaneous sensory nerve at shoulder and upper arm level, right arm, sequela

S44.52XA	Injury of cutaneous sensory nerve at shoulder and upper arm level, left arm, initial encounter
S44.52XD	Injury of cutaneous sensory nerve at shoulder and upper arm level, left arm, subsequent encounter
S44.52XS	Injury of cutaneous sensory nerve at shoulder and upper arm level, left arm, sequela
S44.8X1A	Injury of other nerves at shoulder and upper arm level, right arm, initial encounter
S44.8X1D	Injury of other nerves at shoulder and upper arm level, right arm, initial encounter
S44.8X1S	Injury of other nerves at shoulder and upper arm level, right arm, sequela
S44.8X2A	Injury of other nerves at shoulder and upper arm level, left arm, initial encounter
S44.8X2D	Injury of other nerves at shoulder and upper arm level, left arm, subsequent encounter
S44.8X2S	Injury of other nerves at shoulder and upper arm level, left arm, sequela
S44.91XA	Injury of unspecified nerve at shoulder and upper arm level, right arm, initial encounter
S44.91XD	Injury of unspecified nerve at shoulder and upper arm level, right arm, subsequent encounter
S44.91XS	Injury of unspecified nerve at shoulder and upper arm level, right arm, sequela
S44.92XA	Injury of unspecified nerve at shoulder and upper arm level, left arm, initial encounter
S44.92XD	Injury of unspecified nerve at shoulder and upper arm level, left arm, subsequent encounter
S44.92XS	Injury of unspecified nerve at shoulder and upper arm level, left arm, sequela
S54.01XA	Injury of ulnar nerve at forearm level, right arm, initial encounter
S54.01XD	Injury of ulnar nerve at forearm level, right arm, subsequent encounter
S54.01XS	Injury of ulnar nerve at forearm level, right arm, sequela
S54.02XA	Injury of ulnar nerve at forearm level, left arm, initial encounter
S54.02XD	Injury of ulnar nerve at forearm level, left arm, subsequent encounter
S54.02XS	Injury of ulnar nerve at forearm level, left arm, sequela
S54.11XA	Injury of median nerve at forearm level, right arm, initial encounter
S54.11XD	Injury of median nerve at forearm level, right arm, subsequent encounter
S54.11XS	Injury of median nerve at forearm level, right arm, sequela
S54.12XA	Injury of median nerve at forearm level, left arm, initial encounter
S54.12XD	Injury of median nerve at forearm level, left arm, subsequent encounter
S54.12XS	Injury of median nerve at forearm level, left arm, sequela
S54.21XA	Injury of radial nerve at forearm level, right arm, initial encounter
S54.21XD	Injury of radial nerve at forearm level, right arm, subsequent encounter
S54.21XS	Injury of radial nerve at forearm level, right arm, sequela
S54.22XA	Injury of radial nerve at forearm level, left arm, initial encounter
S54.22XD	Injury of radial nerve at forearm level, left arm, subsequent encounter
S54.22XS	Injury of radial nerve at forearm level, left arm, sequela
S54.31XA	Injury of cutaneous sensory nerve at forearm level, right arm, initial encounter
S54.31XD	Injury of cutaneous sensory nerve at forearm level, right arm, subsequent encounter
S54.31XS	Injury of cutaneous sensory nerve at forearm level, right arm, sequela
S54.32XA	Injury of cutaneous sensory nerve at forearm level, left arm, initial encounter
S54.32XD	Injury of cutaneous sensory nerve at forearm level, left arm, subsequent encounter
S54.32XS	Injury of cutaneous sensory nerve at forearm level, left arm, sequela
S54.8X1A	Injury of other nerves at forearm level, right arm, initial encounter
S54.8X1D	Injury of other nerves at forearm level, right arm, subsequent encounter
S54.8X1S	Injury of other nerves at forearm level, right arm, sequela
S54.8X2A	Injury of other nerves at forearm level, left arm, initial encounter

S54.8X2D	Injury of other nerves at forearm level, left arm, subsequent encounter
S54.8X2S	Injury of other nerves at forearm level, left arm, sequela
S54.91XA	Injury of unspecified nerve at forearm level, right arm, initial encounter
S54.91XD	Injury of unspecified nerve at forearm level, right arm, subsequent encounter
S54.91XS	Injury of unspecified nerve at forearm level, right arm, sequela
S54.92XA	Injury of unspecified nerve at forearm level, left arm, initial encounter
S54.92XD	Injury of unspecified nerve at forearm level, left arm, subsequent encounter
S54.92XS	Injury of unspecified nerve at forearm level, left arm, sequela
S64.01XA	Injury of ulnar nerve at wrist and hand level of right arm, initial encounter
S64.01XD	Injury of ulnar nerve at wrist and hand level of right arm, subsequent encounter
S64.01XS	Injury of ulnar nerve at wrist and hand level of right arm, sequela
S64.02XA	Injury of ulnar nerve at wrist and hand level of left arm, initial encounter
S64.02XD	Injury of ulnar nerve at wrist and hand level of left arm, subsequent encounter
S64.02XS	Injury of ulnar nerve at wrist and hand level of left arm, sequela
S64.11XA	Injury of median nerve at wrist and hand level of right arm, initial encounter
S64.11XD	Injury of median nerve at wrist and hand level of right arm, subsequent encounter
S64.11XS	Injury of median nerve at wrist and hand level of right arm, sequela
S64.12XA	Injury of median nerve at wrist and hand level of left arm, initial encounter
S64.12XD	Injury of median nerve at wrist and hand level of left arm, subsequent encounter
S64.12XS	Injury of median nerve at wrist and hand level of left arm, sequela
S64.21XA	Injury of radial nerve at wrist and hand level of right arm, initial encounter
S64.21XD	Injury of radial nerve at wrist and hand level of right arm, subsequent encounter
S64.21XS	Injury of radial nerve at wrist and hand level of right arm, sequela
S64.22XA	Injury of radial nerve at wrist and hand level of left arm, initial encounter
S64.22XD	Injury of radial nerve at wrist and hand level of left arm, subsequent encounter
S64.22XS	Injury of radial nerve at wrist and hand level of left arm, sequela
S64.31XA	Injury of digital nerve of right thumb, initial encounter
S64.31XD	Injury of digital nerve of right thumb, subsequent encounter
S64.31XS	Injury of digital nerve of right thumb, sequela
S64.32XA	Injury of digital nerve of left thumb, initial encounter
S64.32XD	Injury of digital nerve of left thumb, subsequent encounter
S64.32XS	Injury of digital nerve of left thumb, sequela
S64.490A	Injury of digital nerve of right index finger, initial encounter
S64.490D	Injury of digital nerve of right index finger, subsequent encounter
S64.490S	Injury of digital nerve of right index finger, sequela
S64.491A	Injury of digital nerve of left index finger, initial encounter
S64.491D	Injury of digital nerve of left index finger, subsequent encounter
S64.491S	Injury of digital nerve of left index finger, sequela
S64.492A	Injury of digital nerve of right middle finger, initial encounter
S64.492D	Injury of digital nerve of right middle finger, subsequent encounter
S64.492S	Injury of digital nerve of right middle finger, sequela
S64.493A	Injury of digital nerve of left middle finger, initial encounter
S64.493D	Injury of digital nerve of left middle finger, subsequent encounter

S64.493S	Injury of digital nerve of left middle finger, sequela
S64.494A	Injury of digital nerve of right ring finger, initial encounter
S64.494D	Injury of digital nerve of right ring finger, subsequent encounter
S64.494S	Injury of digital nerve of right ring finger, sequela
S64.495A	Injury of digital nerve of left ring finger, initial encounter
S64.495D	Injury of digital nerve of left ring finger, subsequent encounter
S64.495S	Injury of digital nerve of left ring finger, sequela
S64.496A	Injury of digital nerve of right little finger, initial encounter
S64.496D	Injury of digital nerve of right little finger, subsequent encounter
S64.496S	Injury of digital nerve of right little finger, sequela
S64.497A	Injury of digital nerve of left little finger, initial encounter
S64.497D	Injury of digital nerve of left little finger, subsequent encounter
S64.497S	Injury of digital nerve of left little finger, sequela
S64.498A	Injury of digital nerve of other finger, initial encounter
S64.498D	Injury of digital nerve of other finger, subsequent encounter
S64.498S	Injury of digital nerve of other finger, sequela
S64.8X1A	Injury of other nerves at wrist and hand level of right arm, initial encounter
S64.8X1D	Injury of other nerves at wrist and hand level of right arm, subsequent encounter
S64.8X1S	Injury of other nerves at wrist and hand level of right arm, sequela
S64.8X2A	Injury of other nerves at wrist and hand level of left arm, initial encounter
S64.8X2D	Injury of other nerves at wrist and hand level of left arm, subsequent encounter
S64.8X2S	Injury of other nerves at wrist and hand level of left arm, sequela
S64.91XA	Injury of unspecified nerve at wrist and hand level of right arm, initial encounter
S64.91XD	Injury of unspecified nerve at wrist and hand level of right arm, subsequent encounter
S64.91XS	Injury of unspecified nerve at wrist and hand level of right arm, sequela
S64.92XA	Injury of unspecified nerve at wrist and hand level of left arm, initial encounter
S64.92XD	Injury of unspecified nerve at wrist and hand level of left arm, subsequent encounter
S64.92XS	Injury of unspecified nerve at wrist and hand level of left arm, sequela
S74.01XA	Injury of sciatic nerve at hip and thigh level, right leg, initial encounter
S74.01XD	Injury of sciatic nerve at hip and thigh level, right leg, subsequent encounter
S74.01XS	Injury of sciatic nerve at hip and thigh level, right leg, sequela
S74.02XA	Injury of sciatic nerve at hip and thigh level, left leg, initial encounter
S74.02XD	Injury of sciatic nerve at hip and thigh level, left leg, subsequent encounter
S74.02XS	Injury of sciatic nerve at hip and thigh level, left leg, sequela
S74.11XA	Injury of femoral nerve at hip and thigh level, right leg, initial encounter
S74.11XD	Injury of femoral nerve at hip and thigh level, right leg, subsequent encounter
S74.11XS	Injury of femoral nerve at hip and thigh level, right leg, sequela
S74.12XA	Injury of femoral nerve at hip and thigh level, left leg, initial encounter
S74.12XD	Injury of femoral nerve at hip and thigh level, left leg, subsequent encounter
S74.12XS	Injury of femoral nerve at hip and thigh level, left leg, sequela
S74.21XA	Injury of cutaneous sensory nerve at hip and high level, right leg, initial encounter
S74.21XD	Injury of cutaneous sensory nerve at hip and high level, right leg, subsequent encounter
S74.21XS	Injury of cutaneous sensory nerve at hip and high level, right leg, sequela

S74.8X1A	Injury of other nerves at hip and thigh level, right leg, initial encounter
S74.8X1D	Injury of other nerves at hip and thigh level, right leg, subsequent encounter
S74.8X1S	Injury of other nerves at hip and thigh level, right leg, sequela
S74.8X2A	Injury of other nerves at hip and thigh level, left leg, initial encounter
S74.8X2D	Injury of other nerves at hip and thigh level, left leg, subsequent encounter
S74.8X2S	Injury of other nerves at hip and thigh level, left leg, sequela
S74.91XA	Injury of unspecified nerve at hip and thigh level, right leg, initial encounter
S74.91XD	Injury of unspecified nerve at hip and thigh level, right leg, subsequent encounter
S74.91XS	Injury of unspecified nerve at hip and thigh level, right leg, sequela
S74.92XA	Injury of unspecified nerve at hip and thigh level, left leg, initial encounter
S74.92XD	Injury of unspecified nerve at hip and thigh level, left leg, subsequent encounter
S74.92XS	Injury of unspecified nerve at hip and thigh level, left leg, sequela
S84.01XA	Injury of tibial nerve at lower leg level, right leg, initial encounter
S84.01XD	Injury of tibial nerve at lower leg level, right leg, subsequent encounter
S84.01XS	Injury of tibial nerve at lower leg level, right leg, sequela
S84.02XA	Injury of tibial nerve at lower leg level, left leg, initial encounter
S84.02XD	Injury of tibial nerve at lower leg level, left leg, subsequent encounter
S84.02XS	Injury of tibial nerve at lower leg level, left leg, sequela
S84.11XA	Injury of peroneal nerve at lower leg level, right leg, initial encounter
S84.11XD	Injury of peroneal nerve at lower leg level, right leg, subsequent encounter
S84.11XS	Injury of peroneal nerve at lower leg level, right leg, sequela
S84.12XA	Injury of peroneal nerve at lower leg level, left leg, initial encounter
S84.12XD	Injury of peroneal nerve at lower leg level, left leg, subsequent encounter
S84.12XS	Injury of peroneal nerve at lower leg level, left leg, sequela
S84.21XA	Injury of cutaneous sensory nerve at lower leg level, right leg, initial encounter
S84.21XD	Injury of cutaneous sensory nerve at lower leg level, right leg, subsequent encounter
S84.21XS	Injury of cutaneous sensory nerve at lower leg level, right leg, sequela
S84.22XA	Injury of cutaneous sensory nerve at lower leg level, left leg, initial encounter
S84.22XD	Injury of cutaneous sensory nerve at lower leg level, left leg, subsequent encounter
S84.22XS	Injury of cutaneous sensory nerve at lower leg level, left leg, sequela
S84.801A	Injury of other nerves at lower leg level, right leg, initial encounter
S84.801D	Injury of other nerves at lower leg level, right leg, subsequent encounter
S84.801S	Injury of other nerves at lower leg level, right leg, sequela
S84.802A	Injury of other nerves at lower leg level, left leg, initial encounter
S84.802D	Injury of other nerves at lower leg level, left leg, subsequent encounter
S84.802S	Injury of other nerves at lower leg level, left leg, sequela
S84.91XA	Injury of unspecified nerve at lower leg level, right leg, initial encounter
S84.91XD	Injury of unspecified nerve at lower leg level, right leg, subsequent encounter
S84.91XS	Injury of unspecified nerve at lower leg level, right leg, sequela
S84.92XA	Injury of unspecified nerve at lower leg level, left leg, initial encounter
S84.92XD	Injury of unspecified nerve at lower leg level, left leg, subsequent encounter
S84.92XS	Injury of unspecified nerve at lower leg level, left leg, sequela
S94.01XA	Injury of lateral plantar nerve, right leg, initial encounter

S94.01XD	Injury of lateral plantar nerve, right leg, subsequent encounter
S94.01XS	Injury of lateral plantar nerve, right leg, sequela
S94.02XA	Injury of lateral plantar nerve, left leg, initial encounter
S94.02XD	Injury of lateral plantar nerve, left leg, subsequent encounter
S92.02XS	Injury of lateral plantar nerve, left leg, sequela
S94.11XA	Injury of medial plantar nerve, right leg, initial encounter
S94.11XD	Injury of medial plantar nerve, right leg, subsequent encounter
S94.11XS	Injury of medial plantar nerve, right leg, sequela
S94.12XA	Injury of medial plantar nerve, left leg, initial encounter
S94.12XD	Injury of medial plantar nerve, left leg, subsequent encounter
S94.12XS	Injury of medial plantar nerve, left leg, sequela
S94.21XA	Injury of deep peroneal nerve at ankle and foot level, right leg, initial encounter
S94.21XD	Injury of deep peroneal nerve at ankle and foot level, right leg, subsequent encounter
S94.21XS	Injury of deep peroneal nerve at ankle and foot level, right leg, sequela
S94.22XA	Injury of deep peroneal nerve at ankle and foot level, left leg, initial encounter
S94.22XD	Injury of deep peroneal nerve at ankle and foot level, left leg, subsequent encounter
S94.22XS	Injury of deep peroneal nerve at ankle and foot level, left leg, sequela
S94.31XA	Injury of cutaneous sensory nerve at ankle and foot level, right leg, initial encounter
S94.31XD	Injury of cutaneous sensory nerve at ankle and foot level, right leg, subsequent encounter
S94.31XS	Injury of cutaneous sensory nerve at ankle and foot level, right leg, sequela
S94.32XA	Injury of cutaneous sensory nerve at ankle and foot level, left leg, initial encounter
S94.32XD	Injury of cutaneous sensory nerve at ankle and foot level, left leg, subsequent encounter
S94.32XS	Injury of cutaneous sensory nerve at ankle and foot level, left leg, sequela
S94.8X1A	Injury of other nerves at ankle and foot level, right leg, initial encounter
S94.8X1D	Injury of other nerves at ankle and foot level, right leg, subsequent encounter
S94.8X1S	Injury of other nerves at ankle and foot level, right leg, sequela
S94.8X2A	Injury of other nerves at ankle and foot level, left leg, initial encounter
S94.8X2D	Injury of other nerves at ankle and foot level, left leg, subsequent encounter
S94.8X2S	Injury of other nerves at ankle and foot level, left leg, sequela
S94.91XA	Injury of unspecified nerve at ankle and foot level, right leg, initial encounter
S94.91XD	Injury of unspecified nerve at ankle and foot level, right leg, subsequent encounter
S94.91XS	Injury of unspecified nerve at ankle and foot level, right leg, sequela
S94.92XA	Injury of unspecified nerve at ankle and foot level, left leg, initial encounter
S94.92XD	Injury of unspecified nerve at ankle and foot level, left leg, subsequent encounter
S94.92XS	Injury of unspecified nerve at ankle and foot level, left leg, sequela

### **Reimbursement**

Participating facilities will be reimbursed per their Highmark Wholecare<sup>SM</sup> contract.

## **Reference Sources**

Centers for Medicare and Medicaid Services (CMS). Local Coverage Determination (LCD) Nerve Conduction Studies and Electromyography (L35081). Original Effective date October 1, 2015. Revision Effective date October 31, 2019. Accessed on September 18, 2023.

Centers for Medicare and Medicaid Services (CMS). Local Coverage Article (LCA) Billing and Coding: Nerve Conduction Studies and Electromyography (A54095). Original Effective date October 1, 2015. Revision Effective date January 1, 2023. Accessed on September 18, 2023.

The Centers for Disease Control and Prevention (CDC). Performing Motor and Sensory Neuronal Conduction Studies in Adult Humans. September 1990. Accessed on October 26, 2023.

Mallik A, Weir A. Nerve conduction studies: essentials and pitfalls in practice. Journal of Neurology, Neurosurgery & Psychiatry. 2005. Accessed on October 26, 2023.

Bridget T. EMG and Nerve Conduction Studies. Atlas of Pain Medicine Procedures. McGraw Hill. 2015. Accessed October 26, 2023.

Mayo Clinic. Electromyography (EMG). May 21, 2019. Accessed on October 26, 2023.

Rossitza CI, Katzin L. EMG and Nerve Conduction Studies in Clinical Practice. Practical Neurology. January/February 2010. Accessed on October 26, 2023.