**Multiple Sclerosis**

Population: All BioVU aged 18 and over (shippable and non-shippable)

**CASE – Definitive**

**Type 1:**

**Twoor more ICD 9 code:**

340 Multiple Sclerosis

**Type 2:**

**One or more of the following codes:**

341.9 Demyelinating disease of the central nervous system unspecified

323.9 Unspecified cause of encephalitis, myelitis, and encephalomyelitis

341.2 Acute transverse myelitis in demyelinating disease of central nervous system)

**AND**

**MEDICATIONS (one or more):**

Avonex [Interferon beta-1a] [rebif] [cinnovex]; Beta seron [betaseron] [Interferon beta-1b]; Copaxone [glatiramer acetate] [copolymer 1]; Tysabri [natalizumab]

* Where the medication has an associated dose, frequency, route or strength

**AND**

**KEYWORD** = multiple sclerosis (include misspellings)

**CASE – Possible**

**Type 1:**

**One or more of the following codes:**

341.8 Other demyelinating diseases of central nervous system

341.2 Acute transverse myelitis in demyelinating disease of central nervous system)

341.9 Demyelinating disease of the central nervous system unspecified

377.3 Optic neuritis

**AND**

**KEYWORD** = multiple sclerosis (include misspellings)

**Type 2:**

**KEYWORD in PL only** = multiple sclerosis (include misspellings)

**CONTROL**

**Codes: Record does not contain any of the following:**

070.2\* Viral hepatitis B with hepatic coma

070.3\* Viral hepatitis without mention of hepatic coma

070.51 Acute hepatitis C without mention of hepatic comal

070.54 Chronic hepatitis C without hepatic coma

070.7\* Unspecified viral hepatitis C

150 Malignant neoplasm of the esophagus

250.\* Diabetes Mellitus

255.4 Corticoadrenal insufficiency (Addison’s disease)

286.0 Congenital factor VIII disorder

286.1 Congenital factor IX disorder

286.2 Congenital factor XI deficiency

714 Rheumatoid arthritis and other inflammatory polyarthropathies

714.0 Rheumatoid arthritis

714.1 Felty’s syndrome

714.2 Other rheumatoid arthritis with visceral or systemic involvement

714.30 Polyarticular juvenile rheumatoid arthritis, chronic or unspecified

714.31 Polyarticular juvenile rheumatoid arthritis, acute

714.32 Pauciarticular juvenile rheumatoid arthritis

714.33 Monoarticular juvenile rheumatoid arthritis

714.9 Unspecified inflammatory polyarthropathy

373.34 Discoid lupus erythematosus of eyelid

695.4 Lupus erythematosus

710.0 Systemic lupus erythematosus

710.1 Systemic sclerosis

710.3 Dermatomyositis

710.4 Polymyositis

710.2 Sjogren's disease

493.\* Asthma

530.85 Barrett’s esophagus

555.\* Regional enteritis

579.0 Celiac disease

556.\* Ulcerative colitis

571.6 Biliary cirrhosis

571.8 Other chronic nonalcoholic liver disease – fatty liver, without mention of alcohol

573.1 Hepatitis in viral diseases classified elsewhere

573.2 Hapatitis in other infectious diseases classified elsewhere

573.3 Hepatitis, unspecified

576.1 Cholangitis

135 Sarcoidosis

696 Psoriasis and similar disorders

696.0 Psoriatic arthropathy

696.1 Other psoriasis and similar disorders excluding psoriatic arthropathy

696.8 Other psoriasis and similar disorders

099.3 Reiter’s disease

719.3 Palindromic rheumatism

720.0 Ankylosing spondylitis

720.8 Other inflammatory spondylopathies

720.81 Inflammatory spondylopathies in diseases classified elsewhere

720.89 Other inflammatory spondylopathies

720.9 Unspecified inflammatory spondylopathy

721.2 Thoracic spondylosis without myelopathy

721.3 Lumbosacral spondylosis without myelopathy

245.2 Hashimoto’s thyroiditis

242.0 Toxic diffuse goiter

358.0 myasthenia gravis

358.00 myasthenia gravis without acute exacerbation

358.01 myasthenia gravis with acute exacerbation

775.2 neonatal myasthenia gravis

443.0 Raynaud’s syndrome

**KEYWORDS:** Record does not contain any of the following:

Hepatitis B [hep B]

Hepatitis C [hep C]

Addison\*

Hemophilia

rheumatoid [rheum] [reumatoid] [rhumatoid] arthritis [arthritides] [arthriris] [arthristis] [arthritus] [arthrtis] [artritis]

Felty\*

juvenile [juv] rheumatoid [rheum] [reumatoid] [rhumatoid] arthritis [arthritides] [arthriris] [arthristis] [arthritus] [arthrtis] [artritis]

juvenile [juv] arthritis [arthritides] [arthriris] [arthristis] [arthritus] [arthrtis] [artritis]

juvenile [juv] RA

juvenile chronic arthritis [arthritides] [arthriris] [arthristis] [arthritus] [arthrtis] [artritis]

Rheumatism

Lupus [SLE] [lupos] [lupis] [lupas]

Crohn\* [crones] [crons]

Ulcerative colitis [colitis] [colitus] [UC]

Inflammatory [inflamatory] [inflam] bowel disease [dx] [IBD]

Sarcoidosis [sarcoid] [sarcodosis] [sarcadosis]

psoriasis [soriasis] [psorisis] [psorasis] [psiorasis]

Reiter\*

Regional enteritis

Sjogren\* [shogren\*] [showgrens] [sjorgens] [sjogens]

Asthma

Barrett’s esophagus

Esophageal cancer

Celiac sprue

Biliary cirrhosis [PBC] [primary sclerosing cholangitis]

Non-alcoholic fatty liver [NAFLD] [non alcoholic fatty liver][nonalcoholic fatty liver]

Non-alcoholic steatohepatitis [NASH} [non alcoholic steatohepatitis] [nonalcoholic steatohepatitis]

Dermatomyositis [dermatomyocitis]

Polymyositis [polymyocitis]

Ankylosing [ankleosing] [rheumatoid] [rheum] [reumatoid] spondylitis [spondolitis] [spondylities] [spondilitis]

Thoracic spondylosis

Lumbosacral spondylosis

Hashimoto thyroiditis

Chronic lymphocyctic thyroiditis

Autoimmune thyroid disease [AITD]

Grave\* disease [dis] [dx] [dz] [syndrome]

Myasthenia gravis

Raynaud\* disease [dis] dx] [dx] [syndrome]

Degenerative joint disease [dis] [dx] [dz]