

SUPPLEMENTAL MATERIALS

Supplemental Table 1. Rheumatic Disease Terms Used to Identify Patients with Rheumatic Disease and Their Associated ICD-9 and ICD-10 Codes.

Category	Rheumatic Disease (ICD codes)
Inflammatory arthritis	<ul style="list-style-type: none"> ● Rheumatoid arthritis (M05%, M06%, 714%) ● Inflammatory arthritis or inflammatory polyarthropathy (M06.4, 714.89, 714.9) ● Juvenile idiopathic arthritis (M08.20, 714.3) ● Psoriatic arthritis or arthropathic psoriasis (L40.50, 696.0) ● Ankylosing spondylitis (M45.9, 720.0)
Vasculitis	<ul style="list-style-type: none"> ● ANCA-associated vasculitis: granulomatosis with polyangiitis, eosinophilic granulomatosis with polyangiitis, microscopic polyangiitis (M31.3, M31.7, M30.0, 446.0, 446.4, 446.7, 447.6) ● Kawasaki disease (M30.3, 446.1) ● Takayasu arteritis (M31.4, 446.7) ● Polyarteritis nodosa (M30.0, 446.0) ● Giant cell arteritis/polymyalgia rheumatica (M31.6, 446.5, M35.3, 725%) ● Behçet's disease (M35.2, 136.1) ● Unspecified arteritis (I77.6, 447.6)
Other Systemic Autoimmune Diseases	<ul style="list-style-type: none"> ● Systemic lupus erythematosus (M32%, 710.0) ● Sjögren's syndrome (M35.0, 710.2) ● Idiopathic inflammatory myositis: dermatomyositis, polymyositis, statin-associated autoimmune myositis, unspecified myositis (G72.49, G72.41, M33, 710.3, 710.4) ● Systemic sclerosis (M34.0, M34.1, M34.8%, M34.9, 710.1) ● Mixed connective tissue disease (M35.1, 710.9) ● Antiphospholipid syndrome (D68.61, 239.81) ● Sarcoidosis (D86.0, D86.9, 135%) ● IgG4-related disease (M35)

ICD: International Classification of Disease 9th or 10th revision codes. % indicates a wild character to capture all instances of a given code.