

Supplementary Table 1 ICD 10 codes used to identify the immune mediated diseases

Disease	ICD 10 codes
Multiple sclerosis	DG35.9A-C
Myasthenia gravis	DG70.0
Scleritis	DH15.0
Episcleritis	DH15.1
Iridocyclitis	DH20.0A-K, 20.1, 20.2A
Chorioretinitis	DH30.0A-B, 30.1A-B, 30.2, 30.8A
Psoriasis	DL40.0B-D, 40.1B, 40.2B, 40.3A-B, 40.4, 40.8A-D
Vitiligo	DH02.7C DL80.9
Alopecia areata	DL63.0, 63.1, 63.8A
Lichen ruber planus	DL43.0, 43.1, 43.3, 43.8A-C, 44.3
Pyoderma gangrenosum	DL88.9
Rheumatoid arthritis	DM05.0, 05.1A-F, 05.3, 05.8, 06.0, 06.1, 06.8, 08.0A-B, 09.0, 09.1, 09.2, 09.8
Ankylosing spondylitis	DM45.9
Psoriatic arthritis	DL40.5 DM07.0, 07.1, 07.2, 07.3B
Scleroderma	DL94.0B, 94.1 DM34.0, 34.1, 34.2A-B, 34.8B DP83.8D
Systemic lupus erythematosus	DM32.0, 32.1, 32.8
Sjögren's syndrome	DM30.5
Takayasu's arteritis	DM31.4
Polymyalgia rheumatica	DM35.3
Giant cell arteritis	DM31.5, 31.6
Kawasaki's syndrome	DM30.3

Polyarteritis nodosa	DM30.0, 30.1
Henoch-Schönlein's purpura	DD69.0B
Wegener's granulomatosis	DM31.3
Churg Strauss syndrome	DM30.1
Inclusionbody myositis	DG73.4C
Dermatomyositis	DM33.0, 33.1
Polymyositis	DM33.2
Eosinophilic esophagitis	DK20.9D
Atrophic gastritis	DK29.4
Celiac disease	DK90.0
Autoimmune hepatitis	DK73.2, 75.4
Primary sclerosing cholangitis	DK83.0F
Primary biliary cholangitis	DK74.3
Autoimmune adrenalitis	DE27.1B
Hashimoto's thyroiditis	DE06.3A-B
Grave's disease	DE05.0
Type 1 diabetes	DE10.0, 10.1, 10.2, 10.3, 10.4, 10.5A-D, 10.6, 10.7, 10.9
Sarcoidosis	DD86.0, 86.1, 86.2, 86.3A, 86.8A, 86.8G
Asthma	DJ45.0A, 45.1, 45.8
