

SUPPLEMENTARY

Supplementary Table 1. Anatomical Therapeutic Chemical classification system of the World Health Organization (ATC codes) for systemic glucocorticoids.

Drug	ATC code
Systemic glucocorticoids	H02AB
Methylprednisolone	H02AB04
Prednisolone	H02AB06
Hydrocortisone	H02AB09
Dexamethasone	H02AB02
Prednisone	H02AB07
Triamcinolone	H02AB08
Betamethasone	H02AB01

Supplementary Table 2. Comedications. Anatomical Therapeutic Chemical classification system of the World Health Organization (ATC codes) and Nordic Medico-Statistical Committee's Classification of Surgical Procedures (NCSP).

Drug	ATC code/NCSP code
Any cardiovascular drug	C
Diuretics	C03
Antithrombotics/anticoagulant drugs	B01
ACE inhibitors and ARBs	C09
Beta blockers	C07
Calcium channel blockers	C08
Antiarrhythmic agents and cardiac glycosides	C01A, C01B
Estrogens	G03C
Antidiabetics	A10
Insulin	A10A
Oral antidiabetics	A10B
Thyroid hormone medication	H03A
Antithyroid medication	H03B
Antibiotics	J01
Azathioprine	L04AX01
Sulfazalazine	A07EC01
Leflunomid	L04AA13
Methotrexate	L01BA01, L04AX03, BWHA115
Etanercept	L04AB01, BOHJ18A2
Adalimumab	L04AB04, BOHJ18A3
Certolizumab	L04AB05, BOHJ18A5
Golimumab	L04AB06, BOHJ18A4
Infliximab	L04AB02, BOHJ18A1
Rituximab	L01XC02, BOHJ11
Abatacept	L04AA24, BOHJ18C1
Ustekinumab	L04AC05, BOHJ18B3
Tocilizumab	L04AC07, BOHJ18B2
Anakinra	L04AC03, BOHJ18B1
Chloroquine	P01BA02
Non-steroidal anti-inflammatory drugs	M01A
Drugs to treat bone disease	M05
Opioids	N02A
Other analgesics	N02B
Antiepileptics	N03
Antiparkinson agents	N04
Antipsychotics	N05A
Antidepressants	N06A
Psychostimulants	N06B
Asthma/COPD	R03

Supplementary Table 3. Morbidity. Eighth Revision of the International Classification of Diseases (ICD-8) until 1994 and the Tenth Revision (ICD-10) codes.

Disease	ICD-10	ICD-8
Pulmonary diseases		
Asthma	DJ45, DJ46	493
Chronic obstructive pulmonary disease	DJ41, DJ42, DJ43, DJ44	491, 492
Interstitial lung disease	DJ60-DJ70, DJ82, DJ84	515, 516, 517
Other respiratory diseases (respiratory insufficiency, pulmonary infections, pulmonary oedema, pleural disease)	DJ09, DJ10, DJ11, DJ13, DJ14, DJ15, DJ16, DJ17, DJ18, DJ20, DJ21, DJ22, DJ 40, DJ47, DJ81, DJ85, DJ 90-94, DJ96	470, 471, 472, 480, 481, 482, 483, 484, 485, 486, 490, 510, 511, 512, 513, 514, 518, 519
Cardiovascular diseases		
Ischaemic heart disease	DI20, DJ21, DI25	410, 411, 412, 413, 414
Arrhythmias	DI47-DI49	427.90 -97
Heart failure	DI500-3, DI508, DI509, DI110, DI130, DI32, DI420, DI426-9	427.09-427.11, 427.19, 428.99, 782.49
Valvular diseases	DI05-06, DI34-35, DI390, DI391, DI511A	394, 395
Stroke	DI60, DI61, DI63, DI64, DG45.9	430, 431, 433-435
Hypertension and hypertensive heart disease	DI10, DI11, DI12, DI13, DI14, DI15	400, 401, 402, 403, 404
Peripheral artery disease	DI70	440.20-29, 445
Hyperlipidaemia	DE78.0	27200
Pulmonary embolism	DI26	450.99
Deep venous thrombosis	DI80.1-3	451.00
Endocrine diseases		
Diabetes, types 1 and 2	DE10 DE11	249 250
Hyperthyroidism	DE05	242
Myxedema	DE02 DE03	244
Osteoporosis	DM80-M82	72309
Rheumatic diseases		
Polymyalgia rheumatica/ Giant cell arthritis	DM315, DM316, DM35.3	446.30, 446.31, 446.39
Rheumatoid arthritis	DM05, DM06	712.19, 712.29, 712.39, 712.59
Psoriasis arthritis	DM07.0-M07.3	696.09
Ankylosing spondylitis	DM45	712.49
Other rheumatic diseases	DL94.0, L94.1 (Sclerodermia)	734.00, 734.02, 734.03, 734.04 734.08, 734.09 (Sclerodermia)

	DM35.1 (mixed connective disease)	695.49 (LE), 734.19 (SLE) 716.09,
	DM34.0-9 (LE), DM32, DG73.7C,	716.19
	DN08.5A, DN16.4B (SLE), DM33	(polymyositis/dermatomyositis),
	(polymyositis/dermatomyositis).	734.90 (Sjögren's syndrome)
	DM35.0, G73.7A (Sjögren's	446.29 (Wegener's granulomatosis)
	syndrome)	287.09 (Schonlein henochs purpura)
	DM30.0 (Polyarteritis nodosa)	446.09 (Vasculitis/arteritis)
	DM31.3 (Wegener's granulomatosis)	
	DD69.0B, DM31.0B (Schonlein	
	henochs purpura)	
	DI77.6, DL95 (Vasculitis/arteritis)	
Gastrointestinal diseases		
Crohn's disease	DK50	563.01, 563.02, 563.09
Colitis ulcerosa	DK51	563.19
Hepatic diseases	DK70.1-9, DK71, DK72, DK73,	571, 573
	DK74, DK75, DB18	
Cancer	C00-97	140-209
Dermatological diseases	L10.0, L10.2, L10.4, L12.0, L13.0,	694 , 693.00, 693.08, 693.09, 684.00
Pemphigus / pemphigoid dermatitis	L00, L51.2, L11, L13,14	
herpetiformis		
Bullous disorders		
Renal diseases	N00, N01, N03, N04, N05 N06, N07,	249.02, 250.02, 403, 404, 580-584,
	N08, N11, N14, N15, N16, N18,	590.09, 593.20, 753.10-753.19
	N19, N26, N27, I12. I13, I15.0,	
	I15.1, E10.2, E11.2, E14.2, Q61.1-	
	Q61.4	
Other autoimmune diseases	DD59.0	283.90
	DD59.1 (autoimmune hemolytic	283.91 (autoimmune hemolytic
	anemia)	anemia)
	DD69.3 (Idiopathic	287.10 (Idiopathic thrombocytopenic
	thrombocytopenic purpura)	purpura)
	DK75.4 (autoimmune hepatitis)	571.93 (autoimmune hepatitis)
Neurological diseases		
Multiple sclerosis	DG35	340
Dementia	DF00, DF01, DF02, DF03, DF05.1,	094.19, 290.09 – 290.11, 290.18-
	DF1x.73 (DF10.73-DF19.73).	290.19, 292.09
	DG23.1, DG31.0, DG31.1,	293.09, 293.19
	DG31.8B, DG31.8E, DG30	
