

## **Appendix 1:**

ATC codes:

### Local corticosteroids (min. 2 prescriptions):

A01AC (corticosteroids for local oral treatment)

A07EA (corticosteroids acting locally or intestinally)

C05AA (corticosteroids, vasoprotective agents for treatment of haemorrhoids/anal fissures for topical use)

G01B (Anti-infectives/antiseptics in combination with corticosteroids, gynecological)

R01AD (corticosteroids, decongestants, and other nasal preparations for topical use)

S01BA (corticosteroids, plain, ophthalmological use)

S01BB (corticosteroids and mydriatics in combination)

S01CA (corticosteroids and anti-infectives in combination)

S01CB (corticosteroids/anti-infectives/mydriatics in combination)

S02B (corticosteroids, otological use)

S02C (corticosteroids and anti-infectives in combination, otological use)

S03B (corticosteroids, ophthalmologic and otologic preparations)

S03C (corticosteroids and anti-infectives in combination, ophthalmologic and otologic preparations)

### Systemic corticosteroids (min. 1 prescription):

A11ED (vitamin B-complex with anabolic steroids)

A14A (anabolic steroids)

H02 (corticosteroids systemic use)

J01XC (steroid antibacterials for systemic use)

M01BA (anti-inflammatory/anti-rheumatic agents in combination with corticosteroids)

N02CB (corticosteroid derivatives, nervous system)

## **Appendix 2:**

ICD-10 codes for asthma (after 1994): J45 (asthma), J46 (status asthmaticus), ICD-8 codes for asthma (before 1994): 493 (asthma).

ICD-10 codes for Inflammatory Bowel Disease: K50 (Crohn's disease), K51 (ulcerative colitis), ICD-8 codes for IBD: 563·01, 563·02, 563·09 (Crohn's disease) and 563·19 (ulcerative colitis).

ICD-10 and ICD-8 codes for autoimmune diseases:

ICD-10: D59·0-1, ICD-8: 283·90-1 (Autoimmune hemolytic anemia)

ICD-10: D69·3, ICD-8: 287·10 (Autoimmune thrombocytopenic purpura (Werlhof))

ICD-10: D51·0, ICD-8: 281·00, 281·01, 281·08, 281·09 (Pernicious anaemia)

ICD-10: E27·1A, E27·2A, ICD-8: 255·10-11 (Addison's disease)

ICD-10: E05·0, ICD-8: 242·00, 242·01, 242·08, 242·09 (Graves disease)

ICD-10: E06·3, ICD-8: 244·01, 245·03 (Autoimmune thyroiditis (Hashimotos disease))

ICD-10: G35, ICD-8: 340 (Multiple sclerosis)

ICD-10: G70·0, ICD-8: 733·09 (Myasthenia gravis)

ICD-10: K74·3, ICD-8: 571·90 (Primary biliary cirrhosis)

ICD-10: K75·4 , ICD-8: 571·93 (Autoimmune hepatitis)

ICD-10: K83·0, ICD-8: 575 (Sclerosis cholangitis)

ICD-10: J84·1A, J84·1B, J84·1C, ICD-8: 517·01 (Idiopathic pulmonary fibrosis)

ICD-10: L10·0, L10·2, L10·4, L12·0, ICD-8: 694 (Pemphigus / pemphigoid)

ICD-10: L13·0, ICD-8: 693·00, 693·08-9 (Dermatitis herpetiformis)

ICD-10: L00, L51·2, L11, L13-14, ICD-8: 684·00 (Bullous disorders)

ICD-10: L40, M07·0-M07·3, ICD-8: 696·09, 696·10, 696·19 (Psoriasis)

ICD-10: L80, ICD-8: 709·01 (Vitiligo)

ICD-10: L94·0-1, ICD-8: 734·00-2, 734·08-9 (Scleroderma/morphea)

ICD-10: M35·1, ICD-8: (Mixed connective tissue disease (MCTD))

ICD-10: M34·0-9, ICD-8: 734·19, 695·49 (Lupus erythematosus (all subtypes))

ICD-10: M05, M06, G73·7D, I32·8A, I39·8E, ICD-8: 712·19, 712·29, 712·39, 712·59

(Rheumatoid arthritis)

ICD-10: M08, ICD-8: 712·09 (Juvenile Rheumatoid arthritis)

ICD-10: M10, ICD-8: 274 (Gout)

ICD-10: M07·3A, ICD-8: 696·09 (Psoriasis arthritis)

ICD-10: M45, ICD-8: 712·49 (Ankylosing spondylitis (Mb. Bechterew))

ICD-10: M33, ICD-8: 716·09, 716·19 (Polymyositis/dermatopolymyositis)

ICD-10: M32, G73·7C, N08·5A, N16·4B, ICD-8: 734·19 (Systemic lupus erythematosus)

ICD-10: M35·0, G73·7A, ICD-8: 734·90 (Sjögren's syndrome)

ICD-10: D86, G53·2, H22·1A, I41·8B, K77·8B, M63·3, ICD-8: 135·99 (Sarcoidosis)

ICD-10: M30·0, ICD-8: 446·09 (Polyarteritis nodosa)

ICD-10: M31·3, ICD-8: 446·29 (Wegener's granulomatosis)

ICD-10: M31·5, M31·6, M35·3, ICD-8: 446·30, 446·31, 446·39 (Temporal arteritis /  
polymyalgia rheumatica)

ICD-10: D69·0B, M31·0B, ICD-8: 287·09 (Schönlein-Henoch purpura)

ICD-10: I77·6, L95, ICD-8:446·09 (Vasculitis/arteritis)

ICD-10: H20·0-1, ICD-8: 364 (Uveitis)

### Appendix 3:

#### Stratification by maternal disease

	<b>All,</b>	<b>Exposed,</b>	<b>Unexposed,</b>
	<b>877 778</b>	<b>31 759</b>	<b>846 019</b>
	<b>N (%)</b>	<b>N (%)</b>	<b>N (%)</b>
Asthma (diagnosis)	21 619 (2.5)	2469 (7.8)	19 150 (2.3)
Asthma (diagnosis and/or use of anti-asthma medication)	43 093 (4.9)	4431 (14.0)	38 662 (4.6)
Chronic Obstructive Pulmonary Disease	2337 (0.3)	178 (0.6)	2159 (0.3)
Diabetes Mellitus, Type 1	2981 (0.3)	116 (0.4)	2865 (0.3)
Diabetes Mellitus, Type 2	2475 (0.3)	120 (0.4)	2355 (0.3)
Ulcerative Colitis	3448 (0.4)	655 (2.1)	2793 (0.3)
Crohn's Disease	2026 (0.2)	251 (0.8)	1775 (0.2)
Autoimmune hemolytic anemia	61 (0.0)	12 (0.0)	49 (0.0)
Autoimmune thrombocytopenic purpura	460 (0.1)	51 (0.2)	409 (0.0)
Pernicious anaemia	178 (0.0)	14 (0.0)	164 (0.0)
Addison's disease	45 (0.0)	34 (0.1)	11 (0.0)
Grave's disease	4078 (0.5)	241 (0.8)	3,837 (0.5)
Autoimmune thyroiditis	737 (0.1)	48 (0.2)	689 (0.1)
Multiple sclerosis	1154 (0.1)	62 (0.2)	1092 (0.1)
Myasthenia gravis	118 (0.0)	11 (0.0)	107 (0.0)

Primary biliary cirrhosis	28 (0.0)	7 (0.0)	21 (0.0)
Autoimmune hepatitis	63 (0.0)	19 (0.0)	44 (0.0)
Sclerosis cholangitis	325 (0.0)	23 (0.0)	302 (0.0)
Idiopathic pulmonary fibrosis	33 (0.0)	6 (0.0)	27 (0.0)
Pemphigus/pemphigoid	19 (0.0)	3 (0.0)	16 (0.0)
Dermatitis herpetiformis	103 (0.0)	10 (0.0)	93 (0.0)
Bullous disorders	168 (0.0)	14 (0.0)	154 (0.0)
Psoriasis	1995 (0.2)	135 (0.4)	1860 (0.2)
Vitiligo	212 (0.0)	13 (0.0)	199 (0.0)
Scleroderma/morphea	142 (0.0)	12 (0.0)	130 (0.0)
Mixed connective tissue disease	47 (0.0)	7 (0.0)	40 (0.0)
Lupus erythematosus	186 (0.0)	33 (0.1)	153 (0.0)
Rheumatoid arthritis	1498 (0.2)	235 (0.7)	1263 (0.1)
Juvenile Rheumatoid arthritis	767 (0.1)	75 (0.2)	692 (0.1)
Gout	221 (0.0)	9 (0.0)	212 (0.0)
Psoriasis arthritis	48 (0.0)	3 (0.0)	45 (0.0)
Ankylosing spondylitis	245 (0.0)	48 (0.2)	197 (0.0)
Polymyositis/dermatopolymyositis	68 (0.0)	4 (0.0)	64 (0.0)
Systemic lupus erythematosus	439 (0.1)	140 (0.4)	299 (0.0)
Sjögrens syndrome	135 (0.0)	21 (0.1)	114 (0.0)
Sarcoidosis	1083 (0.1)	97 (0.3)	986 (0.1)
Polyarteritis nodosa	57 (0.1)	8 (0.1)	49 (0.0)
Wegeners granulomatosis	25 (0.0)	4 (0.0)	21 (0.0)

Temporal arteritis/polymyalgia rheumatica	17 (0.0)	1 (0.0)	16 (0.0)
Schönlein-Henoch purpura	1042 (0.1)	40 (0.1)	1002 (0.1)
Vasculitis/arteritis	156 (0.0)	19 (0.1)	137 (0.0)
Uveitis	1044 (0.1)	224 (0.7)	820 (0.1)

\*Adjusted for variables included in the analysis.