

SUPPLEMENTARY MATERIAL

Inclusion criteria:

At least two dispensations of D07 (Corticosteroids for topical use) not longer than 12 months apart:

At least one dispensation of D11AH

At least one secondary care contact with main diagnosis (ICD-10) L20+ or L308C

Exclusion criteria:

Table S.I: Exclusion criteria 1

Condition	Diagnosis code
Seborrhoeic dermatitis	L21
Diaper dermatitis	L22
Allergic contact dermatitis	L23
Irritant contact dermatitis	L24
Unspecified contact dermatitis	L25
Exfoliative dermatitis	L26
Dermatitis due to substances taken internally	L27
Lichen simplex chronicus and prurigo”	L28
Pruritus	L29
Other dermatitis	L30 (except L308C)
Papulosquamous disorders	L40-L45
Other erythematosus conditions	L53
Sunburn	L55
Other acute skin changes due to ultraviolet radiation	L56
Vitiligo	L80

Atrophic disorders of the skin	L90
Lupus erythematosus	L93

Table S.II: Exclusion criteria 2

Drug group	ATC code
Antipsoriasisics	D05
Salicylates for dermatological use	D02AF
Corticosteroids other combinations, moderate or potent	D07XB or D07XC
Corticosteroids (group IV) clobetasol	D07AD01
Clobetasol and antibiotics and antifungals	D07CD01 and D01

Table S.III: Annual healthcare resource use by type and year after index date

	Pediatric mild-to-moderate cohort				Reference cohort				Pediatric mild-to-moderate cohort vs. Reference cohort		
	number of patients	Mean	Median	sd	number of patients	Mean	Median	sd	Mean difference	t-test	p-value
Number of secondary care visits, any type											
<i>0-1 year after index</i>	87,721	2.25	1	3.36	87,721	0.96	0	2.14	1.29	36.19	0.000
<i>1-2 years after index</i>	75,704	1.65	1	2.85	75,704	0.86	0	2.01	0.79	31.03	0.000
<i>2-3 years after index</i>	63,501	1.35	0	2.55	63,501	0.77	0	1.95	0.58	29.25	0.000
<i>3-4 year after index</i>	54,156	1.22	0	2.44	54,156	0.75	0	1.93	0.47	26.25	0.000
<i>4-5 years after index</i>	45,324	1.15	0	2.33	45,324	0.74	0	1.91	0.41	23.95	0.000
Number of dispensed drugs, any type											
<i>0-1 year after index</i>	87,721	12.50	6	128.33	87,721	3.39	0	57.17	9.12	11.85	0.000
<i>1-2 years after index</i>	75,704	10.36	3	92.94	75,704	3.60	0	72.97	6.76	8.93	0.000
<i>2-3 years after index</i>	63,501	8.37	2	69.92	63,501	3.52	0	82.58	4.86	7.60	0.000
<i>3-4 year after index</i>	54,156	7.58	2	76.88	54,156	3.35	0	79.94	4.23	9.37	0.000
<i>4-5 years after index</i>	45,324	7.26	1	84.40	45,324	3.00	0	57.84	4.26	9.16	0.000

Table S.IV: Annual direct medical cost by type and year after index date

Variable description	Pediatric mild-to-moderate cohort				Reference cohort				Pediatric mild-to-moderate cohort vs. Reference cohort		
	number of patients	Mean	Median	sd	number of patients	Mean	Median	sd	Mean difference	t-test	p-value
Cost of secondary care visits, any type											
<i>0-1 year after index</i>	87,721	886	279	2,563	87,721	458	0	2,004	428	39.00	0.00
<i>1-2 years after index</i>	75,704	586	275	1,695	75,704	338	0	1,507	248	30.13	0.00
<i>2-3 years after index</i>	63,501	478	0	1,599	63,501	291	0	1,422	187	21.97	0.00
<i>3-4 year after index</i>	54,156	419	0	1,373	54,156	271	0	1,197	148	18.89	0.00
<i>4-5 years after index</i>	45,324	386	0	1,190	45,324	279	0	1,666	107	11.13	0.00
Cost of dispensed drugs, any type											
<i>0-1 year after index</i>	87,721	225	80	1,917	87,721	67	0	1,211	159	20.71	0.00
<i>1-2 years after index</i>	75,704	198	49	2,911	75,704	70	0	1,157	128	11.27	0.00
<i>2-3 years after index</i>	63,501	166	32	2,187	63,501	70	0	1,027	96	10.05	0.00
<i>3-4 year after index</i>	54,156	160	24	2,583	54,156	75	0	1,213	85	6.93	0.00
<i>4-5 years after index</i>	45,324	157	21	2,353	45,324	80	0	1,386	77	5.98	0.00
Total direct health-care costs											
<i>0-1 year after index</i>	87,721	1,111	409	3,416	87,721	524	21	2,446	587	41.39	0.00
<i>1-2 years after index</i>	75,704	784	293	3,510	75,704	408	20	2,020	377	25.59	0.00
<i>2-3 years after index</i>	63,501	644	187	2,853	63,501	361	15	1,903	283	20.79	0.00
<i>3-4 year after index</i>	54,156	578	101	3,060	54,156	346	11	1,861	233	15.13	0.00
<i>4-5 years after index</i>	45,324	543	77	2,776	45,324	359	9	2,271	184	10.90	0.00