

# Topical Corticosteroids Step Therapy and Quantity Limit Program Summary

This step therapy program applies to FlexRx Closed, FlexRx Open, GenRx Closed, GenRx Open, and Health Insurance Marketplace formularies.

This is a FlexRx Standard and GenRx Standard program.

The BCBS MN Step Therapy Supplement also applies to this program for all Commercial/HIM lines of business

# FDA APPROVED INDICATIONS AND DOSAGE<sup>5-42</sup>

Agent(s) Indication Dosage and Administration			
Agent(s)			
Super-high potency (group 1)  Petermethogone   Deliaf of the inflammatory and   Col (cintment) apply a thin layor			
Betamethasone	Relief of the inflammatory and	<b>Gel/ointment:</b> apply a thin layer to the affected skin once or twice	
dipropionate,	pruritic manifestations of		
augmented	corticosteroid-responsive	daily. Max of 2 consecutive weeks	
( <b>Diprolene</b> ®) 0.05%	dermatoses	of use and a max of 50 g or mL per week.	
0.05%		per week.	
Gel <sup>b,c</sup> , ointment <sup>a</sup>			
Clobetasol	Cream/lotion/ointment: Relief of	All formulations: apply a thin	
propionate	the inflammatory and pruritic	layer to the affected skin twice	
(Clobex®,	manifestations of corticosteroid-	daily. Max of 2 consecutive weeks	
Olux®, Olux-	responsive dermatoses in patients	of use and a max of 50 g or mL	
E®,	12 years of age or older (of the	per week.	
Temovate®)	scalp for solution)		
0.05%		Foam aerosol: Max of 2	
	Shampoo: Treatment of moderate	consecutive weeks of use and max	
Cream <sup>a</sup> ,	to severe forms of scalp psoriasis	of 50 g or 21 capfuls per week.	
emulsion foam	in patients 18 years and older		
aerosol <sup>a</sup> , foam		<b>Lotion:</b> Treatment may extend an	
aerosola, lotiona,	Foam: Treatment of moderate to	additional 2 weeks for localized	
ointment <sup>a</sup> ,	severe plaque psoriasis of the	lesions of severe plaque psoriasis.	
shampoo <sup>a</sup> ,	scalp and mild to moderate		
spray aerosol <sup>a</sup>	plaque psoriasis of non-scalp	<b>Shampoo:</b> apply to the affected	
	regions of the body in patients 12	areas of the skin on a dry scalp	
	years and older	and leave in place for 15 min. Max	
		of 4 consecutive weeks of use and	
	Spray: Treatment of moderate to	a max of 50 g or mL per week.	
	severe plaque psoriasis affecting	Grand San Coo	
	up to 20% body surface area	Spray aerosol: Max of 26 sprays	
	(BSA) in patients 18 years and	per application and 52 sprays per	
	older	day. Max of 4 consecutive weeks	
		of use and a max of 50 g (or	
Tmm alda TM	Dollof of the inflammatery and	59mL) per week.	
Impeklo™ 0.05%	Relief of the inflammatory and pruritic manifestations of	Apply to the affected skin areas twice daily. Max of 50 grams per	
0.03%		week. Do not use more than 10	
lotion	corticosteroid-responsive dermatoses in patients 18 year of	pump actuations per application	
1011011	age or older	twice daily or 20 pump actuations	
	age of older	twice daily of 20 pullip actuations	
	1	I and the second	

		T
		per day for more than 7 days. Max of 2 consecutive weeks of therapy.
Fluocinonide ( <b>Vanos</b> ®) 0.1%	Relief of the inflammatory and pruritic manifestations of corticosteroid-responsive	<b>Cream:</b> apply a thin layer to the affected skin areas once or twice daily. Max of 2 consecutive weeks
Cream <sup>a</sup>	dermatoses in patients 12 years and older	of use and a max of 60 g per week.
Flurandrenolide (Cordran®) 4	Relief of the inflammatory and pruritic manifestations of	<b>Tape:</b> cut a piece slightly larger than the area and apply to
mcg/cm <sup>2</sup>	corticosteroid-responsive dermatoses, particularly dry,	affected skin areas every 12 hours.
Tape	scaling localized lesions	incure:
Halobetasol		foam/lotion/ointment: apply a
propionate (Ultravate®,	Foam/Lotion: Treatment of plaque psoriasis in patients 18 years and	thin layer to the affected skin once or twice daily. Max of 2
Lexette <sup>™</sup> ) 0.05%	older	consecutive weeks of use and a max of 50 g or mL per week.
foama, lotion		<b>0.01% lotion</b> : apply a thin layer to affected areas once daily. Max
<b>Bryhali</b> <sup>™</sup> 0.01% lotion		of 8 weeks of therapy and a max of 50 g per week.
	High potency (grou	p 2)
Amcinonide 0.1%	Relief of the inflammatory and pruritic manifestations of corticosteroid-responsive	Ointment: apply to the affected area two to three times daily
Ointment <sup>b,c</sup>	dermatoses	
Betamethasone	Relief of the inflammatory and	<b>Cream:</b> apply a thin layer to the
dipropionate	pruritic manifestations of	affected skin once or twice daily.
(Diprolene® AF) 0.05%	corticosteroid-responsive dermatoses in patients 13 years of age or older	Max of 50 g per week.
Cream		
(augmented formulation) <sup>a</sup>		
Clobetasol	Treatment of moderate to severe	Cream: apply a thin layer to the
propionate	plaque psoriasis in patients 18	affected skin twice daily. Max of 2 consecutive weeks of use and a
( <b>Impoyz</b> <sup>™</sup> ) 0.025%	years and older	max of 50 g per week.
Cream		
Desoximetasone	Spray: Treatment of plaque	Cream/Gel/Ointment: apply a
(Topicort®)	psoriasis in patients 18 years and older	thin film to the affected skin areas twice daily.
0.05% gel <sup>a</sup> ,		
0.25% Creama, ointmenta,	Cream/gel/ointment: Relief of the inflammatory and pruritic manifestations of corticosteroid-	<b>Spray:</b> apply a thin film to the affected skin areas twice daily. Max of 4 consecutive weeks of
spray <sup>a</sup>	responsive dermatoses	use.

	T	
Diflorasone	Relief of the inflammatory and	Cream: apply to the affected area
diacetate	pruritic manifestations of	as a thin film from one to three
(ApexiCon® E)	corticosteroid-responsive	times daily
0.05%	dermatoses	annes dany
0.0570	derinatoses	
Cream emollient		
	Delief of the influence to me and	Construction and a supplied to the
Halcinonide	Relief of the inflammatory and	Cream/Ointment: apply to the
(Halog®) 0.1%	pruritic manifestations of	affected area as a thin film from
	corticosteroid-responsive	two to three times daily
Creama,	dermatoses	
ointment,		<b>Solution:</b> apply to the affected
solution		area two to three times daily
30141011	High potency (grou	
Amcinonide	Relief of the inflammatory and	Cream/lotion: apply to the
	•	
0.1%	pruritic manifestations of	affected area two to three times
	corticosteroid-responsive	daily
Cream <sup>b,c</sup> ,	dermatoses	
lotion <sup>b,c</sup>		
Betamethasone	Foam: Relief of the inflammatory	Foam: apply to affected areas
valerate	and pruritic manifestations of	twice daily.
(Luxiq®)	corticosteroid-responsive	,
(-42.14)	dermatoses of the scalp	
0.12% Foama	derinatoses of the scalp	
0.12% F0aiii-		
- · ·	D. I. C. C.I	
Desoximetasone	Relief of the inflammatory and	<b>Cream:</b> apply a thin film to the
(Topicort®)	pruritic manifestations of	affected skin areas twice daily.
0.05%	corticosteroid-responsive	
	dermatoses	
Cream <sup>a</sup> ,		
ointmenta		
Diflorasone	Relief of the inflammatory and	<b>Cream:</b> apply to the affected area
diacetate	pruritic manifestations of	twice daily
(Psorcon)	corticosteroid-responsive	twice daily
0.05%	dermatoses	
0.05%	dermatoses	
Cuanne		
Cream <sup>c</sup>	B4 - 4! / /	
D 1 11	Medium potency (gro	
Betamethasone	Treatment of mild to moderate	<b>Spray:</b> apply to the affected skin
dipropionate	plaque psoriasis in patients 18	areas twice daily. Max of 4 weeks
(Sernivo®)	years and older	of treatment.
0.05%		
Spray		
Clocortolone	Relief of the inflammatory and	Cream: apply to the affected skin
pivalate	pruritic manifestations of	areas three times daily.
1 -	· ·	areas arree arries daily.
(Cloderm®)	corticosteroid-responsive	
0.1%	dermatoses	
Creama		
Fluocinolone	Relief of the inflammatory and	<b>Ointment:</b> apply a thin film to the
acetonide	pruritic manifestations of	affected skin areas two to four
		times daily.

( <b>6</b>	I	T
(Synalar®)	corticosteroid-responsive	
0.025%	dermatoses	
Ointment <sup>a</sup>		
Flurandrenolide	Relief of the inflammatory and	Ointment: apply to lesions two to
(Cordran®)	pruritic manifestations of	three times daily.
0.05%	corticosteroid-responsive	
	dermatoses	
Ointmenta		
Mometasone	Cream: Relief of the inflammatory	Cream: apply a thin film to the
furoate	and pruritic manifestations of	affected skin areas once daily.
( <b>Elocon</b> ®) 0.1%	corticosteroid-responsive	
	dermatoses in patients 2 years	
Creama	and older	
Triamcinolone	Relief of the inflammatory and	
acetonide	pruritic manifestations of	<b>Spray:</b> apply to the affected skin
(Kenalog®)	corticosteroid-responsive	areas three to four times daily
	dermatoses	
0.2 mg per 2		
second spray <sup>a</sup>		
	Lower-mid potency (gr	
Desonide	Gel: Treatment of mild to	<b>Gel:</b> apply a thin layer to the
(Desonate®)	moderate atopic dermatitis in	affected areas twice daily. Max of
0.05%	patients 3 months of age and	4 consecutive weeks of therapy.
	older	
Gela		
Fluocinolone	Relief of the inflammatory and	Cream: apply a thin film to the
acetonide	pruritic manifestations of	affected skin areas two to four
(Synalar®)	corticosteroid-responsive	times daily.
0.025%	dermatoses	
Creama		0 11 11 11 11 11 11
Flurandrenolide	Relief of the inflammatory and	Cream/lotion: apply to affected
(Cordran®)	pruritic manifestations of	areas/lesions two to three times
0.050/	corticosteroid-responsive	daily.
0.05% creama,	dermatoses	
lotiona		
0.025% cream		
Fluticasone	Relief of the inflammatory and	
propionate	pruritic manifestations of atopic	Lotion: apply a thin film to the
(Cutivate <sup>™</sup> )	dermatitis in patients 3 months of	affected skin areas once daily. Max
0.05%	age and older	of 4 consecutive weeks of therapy.
lotion		
Hydrocortisone	Cream: Relief of the inflammatory	Cream/Solution: apply to the
butyrate	and pruritic manifestations of	affected area a thin film two or
(Locoid®,	corticosteroid-responsive	three times daily.
Locoid <sup>®</sup>	dermatoses	
Lipocream)		<b>Lotion:</b> apply a thin layer to the
0.1%	Lipocream:	affected areas twice daily.

Cream, Lipo	Relief of the inflammatory and	Lipocream: Max of 4 consecutive	
base cream, lotion <sup>a</sup> , solution	pruritic manifestations of corticosteroid-responsive	<ul><li>weeks of therapy</li><li>Corticosteroid responsive</li></ul>	
•	dermatoses in adults	dermatoses in adults: apply a	
	Treatment of mild to moderate	thin layer to the affected skin	
	atopic dermatitis in pediatric	areas two to three times daily	
	patients 3 months to 18 years of age	Atopic dermatitis in patients 3 months to 18 years: apply a	
	dge	thin layer to the affected skin	
	Lotion: Treatment of mild to	areas twice daily	
	moderate atopic dermatitis in		
	patients 3 months of age and older		
	older		
	Solution: Relief of the		
	inflammatory and pruritic		
	manifestations of seborrheic dermatitis		
Hydrocortisone	Relief of the inflammatory and	Cream: apply to the affected	
probutate	pruritic manifestations of	areas a thin film once to twice	
(Pandel®) 0.1%	corticosteroid-responsive dermatoses in patients 18 years	daily.	
0.1 70	and older		
Cream			
Prednicarbate	Cream: Relief of the inflammatory	<b>Cream:</b> apply a thin film to the	
0.1%	and pruritic manifestations of corticosteroid-responsive	affected skin areas twice daily. Max of 3 weeks in pediatric	
Cream	dermatoses in pediatric patients 1	patients.	
emollient,	year and older	·	
ointment	Ointropet, Baliaf of the	<b>Ointment:</b> apply a thin film to the	
	Ointment: Relief of the inflammatory and pruritic	affected skin areas twice daily.	
	manifestations of corticosteroid-		
	responsive dermatoses		
Low potency (group 6)			
Desonide (DesOwen®.	Cream: Relief of the inflammatory	Cream: apply to the affected skin	
Desonide (DesOwen®, Tridesilon™,			
(DesOwen®, Tridesilon™, Verdeso®)	Cream: Relief of the inflammatory and pruritic manifestations of	<b>Cream:</b> apply to the affected skin areas a thin film two or three times daily.	
(DesOwen <sup>®</sup> , Tridesilon <sup>™</sup> ,	Cream: Relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses	Cream: apply to the affected skin areas a thin film two or three times daily.  Foam: apply to the affected areas	
(DesOwen®, Tridesilon™, Verdeso®) 0.05%	Cream: Relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses  Foam: Treatment of mild to	Cream: apply to the affected skin areas a thin film two or three times daily.  Foam: apply to the affected areas twice daily. Max of 4 consecutive	
(DesOwen®, Tridesilon™, Verdeso®)	Cream: Relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses	Cream: apply to the affected skin areas a thin film two or three times daily.  Foam: apply to the affected areas	
(DesOwen®, Tridesilon™, Verdeso®) 0.05% Creama, foam	Cream: Relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses  Foam: Treatment of mild to moderate atopic dermatitis in patients 3 months of age and older	Cream: apply to the affected skin areas a thin film two or three times daily.  Foam: apply to the affected areas twice daily. Max of 4 consecutive weeks of therapy.	
(DesOwen®, Tridesilon™, Verdeso®) 0.05% Creama, foam	Cream: Relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses  Foam: Treatment of mild to moderate atopic dermatitis in patients 3 months of age and older  Solution: Relief of the	Cream: apply to the affected skin areas a thin film two or three times daily.  Foam: apply to the affected areas twice daily. Max of 4 consecutive weeks of therapy.  Solution: apply a thin film to the	
(DesOwen®, Tridesilon™, Verdeso®) 0.05% Creama, foam Fluocinolone acetonide	Cream: Relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses  Foam: Treatment of mild to moderate atopic dermatitis in patients 3 months of age and older  Solution: Relief of the inflammatory and pruritic	Cream: apply to the affected skin areas a thin film two or three times daily.  Foam: apply to the affected areas twice daily. Max of 4 consecutive weeks of therapy.  Solution: apply a thin film to the affected skin areas two to four	
(DesOwen®, Tridesilon™, Verdeso®) 0.05% Creama, foam	Cream: Relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses  Foam: Treatment of mild to moderate atopic dermatitis in patients 3 months of age and older  Solution: Relief of the	Cream: apply to the affected skin areas a thin film two or three times daily.  Foam: apply to the affected areas twice daily. Max of 4 consecutive weeks of therapy.  Solution: apply a thin film to the	
(DesOwen®, Tridesilon™, Verdeso®) 0.05% Creama, foam  Fluocinolone acetonide (Capex®, Derma- Smoothe®,	Cream: Relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses  Foam: Treatment of mild to moderate atopic dermatitis in patients 3 months of age and older  Solution: Relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses	Cream: apply to the affected skin areas a thin film two or three times daily.  Foam: apply to the affected areas twice daily. Max of 4 consecutive weeks of therapy.  Solution: apply a thin film to the affected skin areas two to four times daily.  Body Oil:	
(DesOwen®, Tridesilon™, Verdeso®) 0.05%  Creama, foam  Fluocinolone acetonide (Capex®, Derma- Smoothe®, Synalar®)	Cream: Relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses  Foam: Treatment of mild to moderate atopic dermatitis in patients 3 months of age and older  Solution: Relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses  Body Oil: Treatment of atopic	Cream: apply to the affected skin areas a thin film two or three times daily.  Foam: apply to the affected areas twice daily. Max of 4 consecutive weeks of therapy.  Solution: apply a thin film to the affected skin areas two to four times daily.  Body Oil:  Adults: apply a thin film to the	
(DesOwen®, Tridesilon™, Verdeso®) 0.05% Creama, foam  Fluocinolone acetonide (Capex®, Derma- Smoothe®,	Cream: Relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses  Foam: Treatment of mild to moderate atopic dermatitis in patients 3 months of age and older  Solution: Relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses	Cream: apply to the affected skin areas a thin film two or three times daily.  Foam: apply to the affected areas twice daily. Max of 4 consecutive weeks of therapy.  Solution: apply a thin film to the affected skin areas two to four times daily.  Body Oil:	

oil <sup>a</sup> , shampoo, solution <sup>a</sup>	Scalp oil: Treatment of psoriasis of the scalp in adults	<ul> <li>Pediatrics: apply a thin film to the affected areas twice daily. Max of 4 weeks.</li> </ul>	
	Shampoo: Treatment of seborrheic dermatitis of the scalp	Scalp Oil: apply a thin film to wet or dampened scalp once daily. Leave on for a minimum of 4 hours and wash off.	
		<b>Shampoo:</b> Apply a max of 1 ounce to the scalp once daily.	
	Least potent (group 7)		
Hydrocortisone (base, ≥2%) [Ala Scalp <sup>®</sup> , Texacort <sup>®</sup> ]	Relief of the inflammatory and pruritic manifestations of corticosteroid-responsive dermatoses	Cream/Lotion/Ointment/ Solution: apply a thin film to the affected skin areas two or four times daily.	
2% lotion <sup>a</sup>			
2.5% solution			

a – generic available

## CLINICAL RATIONALE1-4

Topical steroids are the mainstay of therapy for dermatologic conditions and come in a variety of potencies and formulations. The choice of topical steroid should be individualized, and success depends on accurate diagnosis, consideration for potency and delivery vehicle, frequency of application, duration of therapy, and safety concerns.

# **Diagnosis**

It is essential for prescribers to make an accurate diagnosis prior to prescribing a topical corticosteroid, as fungal infections can be exacerbated by the use of corticosteroids. These agents are effective for the treatment of conditions characterized by hyperproliferation, inflammation, and immunologic involvement. They also provide symptomatic relief for burning and pruritic lesions. Higher potency corticosteroids are frequently used to treat severe atopic dermatitis, psoriasis, and severe eczema, while lower potency corticosteroids are frequently used to treat mild cases of dermatitis and on fragile skin, such as the face and eye lids.

#### **Potency**

Topical corticosteroids are ranked according to their potency on a scale of 1 to 7; ranging from group 1 (I) super-high potent to group 7 (VII) least potent. Group 1 (I) corticosteroids have the greatest risk of inducing side effects such as tolerance and tachyphylaxis if used for periods extending past two weeks; medications are not generally recommended for use longer than two weeks. Group 7 (VII) corticosteroids can be used more safely for longer periods of time and on larger surface areas but they too must be used properly to prevent unwanted side effects. Some generic formulations have been shown to be less or more potent than their brand-name equivalent.

Potency Ratings for Topical Corticosteroids 1,3,4

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Potency	Generic	Brand
Group		

b – brand not available

c - branded generic available

	D	D: 1 ( : 1 )
Group 1	Betamethasone dipropionate (augmented) 0.05%	Diprolene (ointment)
<b>(I)</b>	(gel, lotion, ointment)	Clobex (lotion, shampoo,
Super-	Clobetasol propionate 0.05% (cream, cream	spray)
high	emollient, foam, gel, lotion, ointment, shampoo,	Temovate, Temovate E
Potency	solution, spray)	(cream, gel, ointment,
	Flurandrenolide (tape)	solution)
	Fluocinonide 0.1% (cream)	Olux, Olux E (foam)
	Halobetasol propionate 0.05% (cream, foam,	Impeklo (lotion)
	lotion, ointment)	Vanos (cream)
		Ultravate (cream, ointment,
		lotion)
		Lexette (foam)
		Cordran (tape)
Group 2	Amcinonide 0.1% (ointment)	Diprolene AF (cream)
(II) High	Betamethasone dipropionate (augmented) 0.05%	Impoyz (cream)
Potency	(cream)	Topicort (gel, cream,
_	Betamethasone dipropionate 0.05% (ointment)	ointment, spray)
	Clobetasol propionate 0.025% (cream)	ApexiCon E, Florone (cream,
	Desoximetasone, 0.05% (gel)	ointment)
	Desoximetasone, 0.25% (cream, ointment, spray)	Halog (cream, ointment,
	Diflorasone diacetate 0.05% (cream, ointment)	solution)
	Fluocinonide 0.05% (cream, gel, ointment,	Bryhali (lotion)
	solution)	, , ,
	Halcinonide 0.1% (cream, ointment, solution)	
	Halobetasol propionate 0.01% (lotion)	
Group 3	Amcinonide 0.1% (cream, lotion)	Luxiq (foam)
(III)	Betamethasone dipropionate 0.05% (cream)	Topicort (créam, ointment)
Nedium-	Betamethasone valerate 0.1% (ointment)	Psorcon (cream)
high	Betamethasone valerate 0.12% (foam)	(0. 55)
Potency	Desoximetasone 0.05% (cream, ointment)	
	Diflorasone diacetate 0.05% (cream)	
	Fluocinonide 0.05% (cream)	
	Fluticasone propionate 0.005% (ointment)	
	Mometasone furoate 0.1% (ointment)	
	Triamcinolone acetonide 0.5% (cream, ointment)	
Group 4	Betamethasone dipropionate 0.05% (spray)	Sernivo (spray)
(IV)	Clocortolone pivalate 0.1% (cream)	Cloderm (cream)
Medium	Fluocinolone acetonide 0.025% (ointment)	Synalar (ointment)
Potency	Flurandrenolide 0.05% (ointment)	Cordran (ointment)
<b>-</b> ,	Fluticasone propionate 0.05% (cream)	Kenalog (cream, ointment,
	Hydrocortisone valerate 0.2% (ointment)	spray)
	Mometasone furoate 0.1% (cream, lotion,	-r -//
	solution)	
	Triamcinolone acetonide 0.05% (ointment)	
	Triamcinolone acetonide 0.1% (cream, ointment)	
	Triamcinolone acetonide 0.2 mg (spray)	
Group 5	Betamethasone dipropionate 0.05% (lotion)	DesOwen, Tridesilon
(V)	Betamethasone valerate 0.1% (cream)	(ointment)
Lower-	Desonide 0.05% (gel, ointment)	Desonate (gel)
mid	Fluocinolone acetonide 0.025% (cream)	Synalar (cream)
Potency	Flurandrenolide 0.05% (cream, lotion)	Cordran (cream, lotion)
. Otelicy	Flurandrenolide 0.025% (cream)	Locoid (cream, lotion,
	Fluticasone propionate 0.05% (cream, lotion)	ointment, solution)
	i iudicasone propionale 0.03% (Clean, 10001)	omunicit, solution)

	Hydrocortisone butyrate 0.1% (cream, lotion, ointment, solution) Hydrocortisone probutate 0.1% (cream) Hydrocortisone valerate 0.2% (cream) Prednicarbate 0.1% (ointment)	Pandel (cream)
	Triamcinolone acetonide 0.1% (lotion) Triamcinolone acetonide 0.025%	
Group 6 (VI) Low Potency	Alclometasone dipropionate 0.05% (cream, ointment) Betamethasone valerate 0.1% (lotion) Desonide 0.05% (cream, foam, lotion) Fluocinolone acetonide 0.01% (cream, oil, shampoo, solution) Triamcinolone acetonide 0.025% (cream, lotion)	DesOwen, Tridesilon (cream) Verdeso (foam) Synalar (cream, solution) Derma-Smoothe (oil) Capex (shampoo)
Group 7 (VII) Least Potent	Hydrocortisone 0.5% to 2.5% Hydrocortisone acetate 0.5% to 2.5%	Ala Scalp (lotion) Texacort (solution)

## **Delivery Vehicle**

Steroids differ in potency based on the vehicle used in formulation and should only be used on certain areas of the body. Hydration and occlusion generally promote steroid penetration. Applying topical corticosteroids after bathing, applying occlusive dressings (e.g. plastic wrap), result in an increase in corticosteroid penetration compared to dry skin.

Ointments offer more lubrication and occlusion than other preparations. Their occlusive nature improves steroid absorption and are the most useful for treating dry or thick, hyperkeratotic areas. Ointments should not be used on areas with large amounts of hair and may cause maceration and folliculitis if used on intertriginous areas (e.g. groin, gluteal cleft, axilla). Patient satisfaction and compliance may be poor due to the greasy natures of ointments.

Creams are typically more cosmetically appealing as they are good lubricators and they vanish into the skin. They tend to be less potent than ointments, and contain preservatives which can cause irritation, stinging, and allergic reactions. Acute exudative inflammation responds well to creams because of their drying effects. Creams are also useful in intertriginous areas where ointments may not be used, however, they do not provide occlusive effects like ointments.

Lotions and gels are least greasy and occlusive. Lotions are useful on oozing lesions due to the drying effects. They are also useful for hairy areas as they penetrate easily and leave little residue. Gels can also be used on hairy areas and on the scalp since they do not cause matting. They are also beneficial for exudative inflammation due to their jelly-like consistency.

Foams, mousses, and shampoos are effective for delivering steroids to the scalp. Foams are typically more expensive. Flurandrenolide tape is beneficial for treating limited areas of inflammation in difficult to treat locations, such as finger tips.

## **Frequency and Duration**

Once or twice daily administration is recommended for most formulations. More frequent applications have not been proven to provide superior results.

Chronic application of topical steroids can cause tolerance and tachyphylaxis. Super-high potent steroids are not recommended for use beyond three consecutive weeks. If a longer duration is required, the agent can be gradually tapered to avoid rebound symptoms, and treatment may resume after at least a one-week steroid-free period. This alternating schedule can be repeated chronically or until the condition resolves. Side effects are rare when low- to high-potency steroids are used for less than three months, except in intertriginous areas, on the face and neck, and under occlusion.

# Safety

Prolonged use of topical corticosteroids may result in adverse effects. It is difficult to quantify the incidence of side effects caused by topical corticosteroids, given their differences in potency. According to a post-marketing safety review, the most frequently reported side effects were local irritation (66%), skin discoloration (15%), and striae or skin atrophy (15%). Side effects occur more often with higher potencies. Using the least potent corticosteroid for the shortest time while still maintaining efficacy, reduces the risk of adverse effects.

Other side effects from the use of topical corticosteroids include permanent dermal atrophy, telangiectasia, rosacea, hypopigmentation, and induction of contact dermatitis. High and super-high potent corticosteroids have been reported to cause systemic side effects. Hypothalamic-pituitary-adrenal suppression, glaucoma, septic necrosis of the femoral head, hyperglycemia, hypertension, and other systemic side effects have been reported.

For additional clinical information see Prime Therapeutics Formulary Chapters 14.5 R Topical Corticosteroids.

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# **Topical Corticosteroids Step Therapy**

# **TARGET AGENT(S)**

**Super-high potency (group 1)** 

Betamethasone dipropionate augmented gel

Clobex® 0.05% (clobetasol propionate) lotiona

Clobex® 0.05% (clobetasol propionate) shampoo<sup>a</sup>

Clobex® 0.05% (clobetasol propionate) spraya

Cordran® 4 mcg/cm<sup>2</sup> (flurandrenolide) tape

Diprolene® 0.05% (betamethasone dipropionate augmented) ointmenta

Halobetasol propionate 0.05% foam

**Impeklo**<sup>™</sup> **0.05%** (clobetasol propionate) lotion

**Lexette**™ **0.05%** (halobetasol propionate) foam<sup>a</sup>

Olux® 0.05% (clobetasol propionate) foama

Olux-E® 0.05% (clobetasol propionate) emulsion foama

Temovate® 0.05% (clobetasol propionate) creama

Temovate® 0.05% (clobetasol propionate) ointmenta

Ultravate® 0.05% (halobetasol propionate) lotion

Vanos® 0.1% (fluocinonide) creama

# High potency (group 2)

Amcinonide 0.1% ointment

ApexiCon® E 0.05% (diflorasone diacetate) emollient cream

**Bryhali**<sup>™</sup> **0.01%** (halobetasol propionate) lotion

Diprolene® AF 0.05% (betamethasone dipropionate) creama

Halog® 0.1% (halcinonide) creama

Halog® 0.1% (halcinonide) ointment

Halog® 0.1% (halcinonide) solution

**Impovz**<sup>™</sup> **0.025%** (clobetasol propionate) cream

Topicort® 0.05% (desoximetasone) gela

Topicort® 0.25% (desoximetasone) creama

Topicort® 0.25% (desoximetasone) ointmenta

Topicort® 0.25% (desoximetasone) spraya

# Mid-High potency (group 3)

Amcinonide 0.1% cream

Amcinonide 0.1% lotion

**Diflorasone diacetate** 0.05% cream

Luxig® 0.12% (betamethasone valerate) foama

Topicort® 0.05% (desoximetasone) creama

Topicort® 0.05% (desoximetasone) ointmenta

#### Medium potency (group 4)

Cloderm® 0.1% (clocortolone pivalate) creama

Cordran® 0.05% (flurandrenolide) ointmenta

Kenalog® 0.147 mg/gm (triamcinolone acetonide) spraya

Sernivo® 0.05% (betamethasone dipropionate) spray

**Synalar**<sup>®</sup> **0.025%** (fluocinolone acetonide) ointment<sup>a</sup>

# Lower-mid potency (group 5)

Cordran® 0.025% (flurandrenolide) cream

Cordran® 0.05% (flurandrenolide) creama

Cordran® 0.05% (flurandrenolide) lotion<sup>a</sup>

Cutivate® 0.05% (fluticasone propionate) lotion

Desonate® 0.05% (desonide) gela

**Hydrocortisone butyrate 0.1%** solution

**Hydrocortisone butyrate 0.1%** cream

Locoid® 0.1% (hydrocortisone butyrate) lotiona

Locoid® Lipocream 0.1% (hydrocortisone butyrate) cream

Pandel® 0.10% (hydrocortisone probutate) cream

Prednicarbate 0.1% ointment

Synalar® 0.025% (fluocinolone acetonide) creama

# Low potency (group 6)

Capex® 0.01% (fluocinolone acetonide) shampoo

Derma-Smoothe® 0.01% (fluocinolone acetonide) body oila

Derma-Smoothe® 0.01% (fluocinolone acetonide) scalp oila

DesOwen® 0.05% (desonide) creama

Synalar® 0.01% (fluocinolone acetonide) solutiona

**Tridesilon**<sup>™</sup> **0.05%** (desonide) cream<sup>a</sup>

Verdeso® 0.05% (desonide) foam

# Least potent (group 7)

Ala Scalp® 2% (hydrocortisone) lotiona

Texacort® 2.5% (hydrocortisone) solution

a – available as a generic; included as a prerequisite in the step therapy program

#### PRIOR AUTHORIZATION CRITERIA FOR APPROVAL

**Target Agent(s)** will be approved when ONE of the following is met:

- 1. The patient is currently being treated with the requested agent as indicated by ALL of the following:
  - A. A statement by the prescriber that the patient is currently taking the requested agent

## AND

B. A statement by the prescriber that the patient is currently receiving a positive therapeutic outcome on requested agent

## AND

C. The prescriber states that a change in therapy is expected to be ineffective or cause harm

#### OR

- 2. The patient's medication history includes use of TWO generic topical corticosteroids within the same potency group as indicated by:
  - A. Evidence of a paid claim(s)

### OR

B. The prescriber has stated the patient has tried TWO generic topical corticosteroids within the same potency group AND the TWO generic topical corticosteroids were discontinued due to lack of effectiveness or an adverse event

## OR

3. The patient has an intolerance or hypersensitivity to TWO generic topical corticosteroids within the same potency group

#### OR

4. The patient has an FDA labeled contraindication to ALL generic topical corticosteroids within the same potency group

OR

5. The prescriber has provided documentation that ALL generic topical corticosteroids within the same potency group cannot be used due to a documented medical condition or comorbid condition that is likely to cause an adverse reaction, decrease ability of the patient to achieve or maintain reasonable functional ability in performing daily activities or cause physical or mental harm

**Length of Approval:** 12 months

NOTE: If Quantity Limit applies, please refer to Quantity Limit document.