

Clinical Policy: Inhaled Agents for Asthma and COPD

Reference Number: HIM.PA.153

Effective Date: 03.01.21 Last Review Date: 02.23 Line of Business: HIM

Revision Log

See <u>Important Reminder</u> at the end of this policy for important regulatory and legal information.

Description

The following are inhaled agents for asthma and/or chronic obstructive pulmonary disease (COPD) requiring prior authorization:

- Short acting beta-2 agonist (SABA): albuterol (ProAir® Digihaler®)
- Inhaled corticosteroid (ICS): budesonide (Pulmicort Respules®)*, ciclesonide (Alvesco®), fluticasone (ArmonAir® Digihaler™), mometasone (Asmanex® HFA, Asmanex® Twisthaler®)
- Long acting beta-2 agonist (LABA): arformoterol (Brovana®), formoterol (Perforormist)
- Long acting muscarinic antagonist (LAMA): aclidinium bromide (Tudorza[®] Pressair[®]), glycopyrrolate (Seebri[™] Neohaler[®], Lonhala[®] Magnair[®]), revefenacin (Yupelri[®])
- Combination ICS/LABA: budesonide/formoterol (Symbicort[®]*, Symbicort Aerosphere[®]), fluticasone/salmeterol (Advair Diskus[®]*, AirDuo[®] Digihaler[™], AirDuo[®] RespiClick[®]), mometasone/formoterol (Dulera[®])
- Combination LABA/LAMA: aclidnium/formoterol (Duaklir® Pressair®), indacaterol/glycopyrrolate (Utibron™ Neohaler®), tiotropium/olodaterol (Stiolto® Respimat®)

FDA Approved Indication(s)

ProAir Digihaler is indicated for the treatment or prevention of bronchospasm in adults, adolescents, and children 4 years of age and older with reversible obstructive airway disease. ProAir Digihaler is also indicated for the prevention of exercise-induced bronchospasm (EIB) in patients 4 years of age and older.

The other inhaled agents are indicated as follows:

Drug Name	Asthma	COPD
ICS		
Alvesco	$X (Age \ge 12 \text{ years})$	
ArmonAir Digihaler	$X (Age \ge 4 years)$	
Asmanex HFA	$X (Age \ge 5 \text{ years})$	
Asmanex Twisthaler	$X (Age \ge 4 \text{ years})$	
Pulmicort Respules	X (Age 1-8 years)	
LABA		
Brovana		X
Perforomist		X
LAMA		
Lonhala Magnair		X
Seebri Neohaler		X

^{*}Generic agents do not require prior authorization.



Drug Name	Asthma	COPD			
Tudorza Pressair		X			
Yupelri		X			
ICS/LABA					
Advair Diskus	$X (Age \ge 4 \text{ years})$	X			
AirDuo Digihaler	$X (Age \ge 12 \text{ years})$				
AirDuo RespiClick	$X (Age \ge 12 \text{ years})$				
Dulera	$X \text{ (Age } \geq 5 \text{ years)}$				
Symbicort	$X \text{ (Age } \geq 6 \text{ years)}$	X			
Symbicort Aerosphere		X			
LABA/LAMA	LABA/LAMA				
Duaklir Pressair		X			
Stiolto Respimat		X			
Utibron Neohaler		X			

Policy/Criteria

Provider must submit documentation (such as office chart notes, lab results or other clinical information) supporting that member has met all approval criteria.

It is the policy of health plans affiliated with Centene Corporation[®] that inhaled agents for asthma and COPD are **medically necessary** when the following criteria are met:

I. Initial Approval Criteria

- A. Inhaled Agents for Asthma or Chronic Obstructive Pulmonary Disease (must meet all):
 - 1. Diagnosis of asthma or COPD as FDA-approved for the requested agent (*see FDA Approved Indications section*);
 - 2. Age is one of the following (a or b):
 - a. Asthma: Appropriate per the prescribing information for the requested agent (*see FDA Approved Indications section*);
 - b. COPD: \geq 18 years;
 - 3. Failure of the following formulary agent(s) at up to maximally indicated doses, unless clinically significant adverse effects are experienced or all are contraindicated:

Requested Agent	Required Step Through Agent(s)
ProAir Digihaler	Two generic albuterol sulfate HFA products, each from
	a different manufacturer
Pulmicort Respules	Age is between 1 to 8 years or documentation supports
	inability to use inhaler devices AND if request is for
	brand Pulmicort Respules, medical justification
	supports inability to use generic Pulmicort Respules
	(e.g., contraindications to excipients)
All other ICS: Alvesco,	Qvar [®] RediHaler [™] AND Pulmicort Flexhaler [™] AND
ArmonAir Digihaler,	Arnuity [®] Ellipta [®] AND Flovent [®] Diskus [®] /HFA [®]
Asmanex HFA, Asmanex	
Twisthaler	



Requested Agent	Required Step Through Agent(s)
LABA: Brovana,	Generic (i.e., formoterol for Perforomist requests,
Perforomist	arformoterol for Brovana requests) AND Arcapta®
	Neohaler® AND Serevent® Diskus® AND Striverdi®
	Respimat®, unless request is for a nebulized LABA and
	documentation supports inability to use inhaler devices
LAMA: Lonhala	Incruse® Ellipta® AND Spiriva® Handihaler®/
Magnair, Seebri	Respimat®, unless request is for a nebulized LAMA
Neohaler, Tudorza	and documentation supports inability to use inhaler
Pressair, Yupelri	devices
Brand Advair Diskus	Medical justification supports inability to use generic
	fluticasone/salmeterol products (generic Advair
	Diskus, Wixela [™] Inhub [™]) (e.g., contraindications to
	excipients)
Brand Symbicort,	Medical justification supports inability to use generic
Symbicort Aerosphere	Symbicort (e.g., contraindications to excipients)
All other ICS/LABA:	Advair HFA® AND Breo Ellipta® AND
AirDuo Digihaler,	budesonide/formoterol (Symbicort authorized generic)
AirDuo RespiClick,	AND fluticasone/salmeterol (generic Advair Diskus or
Dulera	Wixela Inhub)
LABA/LAMA: Duaklir	Anoro [®] Ellipta [®] AND Bevespi Aerosphere [™]
Pressair, Stiolto	
Respimat, Utibron	
Neohaler	

- 4. For requests for an agent with a digital component (e.g., Digihaler products): Medical justification supports necessity of the digital component (i.e., rationale why inhaler usage cannot be tracked manually);
- 5. Request does not exceed one of the following (a or b):
 - a. The health plan quantity limit;
 - b. The FDA-approved maximum dose for the relevant indication (see Section V).

Approval duration: 12 months

B. Other diagnoses/indications (must meet 1 or 2):

- 1. If this drug has recently (within the last 6 months) undergone a label change (e.g., newly approved indication, age expansion, new dosing regimen) that is not yet reflected in this policy, refer to one of the following policies (a or b):
 - a. For drugs on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the no coverage criteria policy for the relevant line of business: HIM.PA.33 for health insurance marketplace; or
 - b. For drugs NOT on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the non-formulary policy for the relevant line of business: HIM.PA.103 for health insurance marketplace; or
- 2. If the requested use (e.g., diagnosis, age, dosing regimen) is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized) AND criterion 1 above does not apply, refer to the off-label use policy for the relevant line of business: HIM.PA.154 for health insurance marketplace.



II. Continued Therapy

- A. Inhaled Agents for Asthma or Chronic Obstructive Pulmonary Disease (must meet all):
 - 1. Member meets one of the following (a or b):
 - a. Currently receiving medication via Centene benefit or member has previously met initial approval criteria;
 - b. Member is currently receiving medication and is enrolled in a state and product with continuity of care regulations (refer to state specific addendums for CC.PHARM.03A and CC.PHARM.03B);
 - 2. Member is responding positively to therapy;
 - 3. If request is for a dose increase, request does not exceed one of the following (a or b):
 - a. The health plan quantity limit;
 - b. The FDA-approved maximum dose for the relevant indication (see *Section V*).

Approval duration: 12 months

B. Other diagnoses/indications (must meet 1 or 2):

- 1. If this drug has recently (within the last 6 months) undergone a label change (e.g., newly approved indication, age expansion, new dosing regimen) that is not yet reflected in this policy, refer to one of the following policies (a or b):
 - a. For drugs on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the no coverage criteria policy for the relevant line of business: HIM.PA.33 for health insurance marketplace; or
 - b. For drugs NOT on the formulary (commercial, health insurance marketplace) or PDL (Medicaid), the non-formulary policy for the relevant line of business: HIM.PA.103 for health insurance marketplace; or
- 2. If the requested use (e.g., diagnosis, age, dosing regimen) is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized) AND criterion 1 above does not apply, refer to the off-label use policy for the relevant line of business: HIM.PA.154 for health insurance marketplace.

III. Diagnoses/Indications for which coverage is NOT authorized:

A. Non-FDA approved indications, which are not addressed in this policy, unless there is sufficient documentation of efficacy and safety according to the off label use policies – HIM.PA.154 for health insurance marketplace or evidence of coverage documents.

IV. Appendices/General Information

Appendix A: Abbreviation/Acronym Key COPD: chronic obstructive pulmonary disease

EIB: exercise-induced bronchospasm FDA: Food and Drug Administration ICS: inhaled corticosteroid

GINA: Global Initiative for Asthma

GOLD: Global Initiative for Chronic Obstructive Lung Disease LABA: long acting beta-2 agonist

LAMA: long acting muscarinic antagonist

SABA: short acting beta-2 agonist



Appendix B: Therapeutic Alternatives

This table provides a listing of preferred alternative therapy recommended in the approval criteria. The drugs listed here may not be a formulary agent for all relevant lines of business

and may require prior authorization.

Drug Name	Dosing Regimen	Dose Limit/
b		Maximum Dose
Advair HFA	Asthma: 2 inhalations BID (starting	Asthma: 2 inhalations
	dosage is based on asthma severity)	of 230/21 mcg BID
albuterol (Proventil	Metered-dose inhaler (MDI): 2 puffs	MDI: 12 puffs/day
HFA®, Ventolin	every 4 to 6 hours as needed	
$HFA^{\mathbb{R}}$)		<i>Nebulization solution:</i>
	Nebulization solution: 2.5 mg via oral	4 doses/day or 10
	inhalation every 6 to 8 hours as needed	mg/day
		Higher maximum dosages for inhalation products have been recommended in National Asthma Education and Prevention Program guidelines for acute exacerbations of asthma.
Anoro Ellipta	COPD: 1 inhalation by mouth QD	COPD: 1
(umeclidinium/ vilanterol)		inhalation/day
Arcapta Neohaler (indacaterol)	COPD: 75 mcg inhaled orally QD	COPD: 75 mcg/day
Arnuity Ellipta	Asthma:	Asthma:
(fluticasone furoate)	≥ 12 years: 100-200 mcg inhaled QD	≥ 12 years: 200
	5-11 years: 50 mcg inhaled QD	mcg/day
		5-11 years: 50
Desc Ellints	Acthorac	mcg/day
Breo Ellipta (fluticasone/ vilanterol)	Asthma: Age ≥ 18 years: 1 inhalation of 100/25 or 200/25 mcg QD	Asthma: 200/25 mcg/day
	Age 12-17 years: 1 inhalation of 100/25	COPD: 100/25
	mcg QD	mcg/day
	Age 5-11 years: 1 inhalation of 50/25 mcg QD	
	COPD: 1 inhalation of 100/25 mcg QD	
Bevespi Aerosphere	COPD: 2 inhalations BID	COPD: 4
(glycopyrrolate/		inhalations/day
formoterol)		



Drug Name	Dosing Regimen	Dose Limit/
		Maximum Dose
budesonide/formoterol	Asthma: 2 inhalations BID	Asthma/COPD:
(Symbicort)		160/4.5 mcg BID
	COPD: 2 inhalations (160/4.5 mcg)	
	BID	
Flovent Diskus	Asthma: 1 inhalation BID (starting	Asthma: 2,000
(fluticasone)	dosage is based on asthma severity)	mcg/day
Flovent HFA	Asthma: 1 inhalation BID	Asthma: 1,760
(fluticasone)		mcg/day
fluticasone/salmeterol	Asthma: 1 inhalation BID (starting	Asthma: 500/50 mcg
(Advair Diskus,	dosage is based on asthma severity	BID
Wixela Inhub)		
	COPD: 1 inhalation of 250/50 mcg BID	COPD: 250/50 mcg
		BID
Incruse Ellipta	COPD: 1 inhalation (62.5 mcg) QD	COPD: 62.5 mcg/day
(umeclidinium)		
Pulmicort Flexhaler	Asthma: Starting dose of 180-360 mcg	Asthma: 720 mcg BID
(budesonide)	inhaled BID	
Qvar RediHaler	Asthma:	Asthma:
(beclomethasone)	\geq 12 years: 40 mcg, 80 mcg, 160 mcg,	\geq 12 years: 640
	or 320 mcg inhaled BID	mcg/day
	4-11 years: 40 mcg or 80 mcg inhaled	4-11 years: 160
	BID	mcg/day
Serevent (salmeterol)	Asthma/COPD: 1 inhalation (50 mcg)	Asthma/COPD: 100
- 11 111 1	BID	mcg/day
Spiriva Handihaler	COPD: 2 inhalations (18 mcg) QD	COPD: 18 mcg/day
(tiotropium bromide		
monohydrate)		
Spiriva Respimat	Asthma: 2 inhalations (1.25 mcg) QD	Asthma: 2.5 mcg/day
(tiotropium bromide	CORP 2:11: (25) OR	CORD 5 /1
monohydrate)	COPD: 2 inhalations (2.5 mcg) QD	COPD: 5 mcg/day
Striverdi Respimat	COPD: 2 inhalations QD	COPD: 5 mcg/day
(olodaterol)	A .1 .1 .1 .1 ./ ./100/50 #/05	1 1 200/52 7/25
Trelegy Ellipta	Asthma: 1 inhalation (100/62.5/26 mcg	Asthma: 200/62.5/26
(fluticasone/	or 200/62.5/26 mcg) by mouth QD	mcg/day
umeclidinium/	GODD 1: 1 1 /: (100/60 5/06	GODD 100/62 7/26
vilanterol)	COPD: 1 inhalation (100/62.5/26 mcg)	COPD: 100/62.5/26
	by mouth QD	mcg/day

Therapeutic alternatives are listed as Brand name® (generic) when the drug is available by brand name only and generic (Brand name®) when the drug is available by both brand and generic.

Appendix C: Contraindications/Boxed Warnings

- Contraindication(s):
 - All agents: hypersensitivity to any component of the requested agent or the following as additionally specified:



- Advair Diskus, AirDuo Digihaler/RespiClick, ArmonAir Digihaler, Asmanex Twisthaler, Tudorza Pressair, Trelegy Ellipta: milk proteins
- Brovana: racemic formoterol
- Advair Diskus, AirDuo Digihaler/RespiClick, Alvesco, ArmonAir Digihaler,
 Asmanex HFA/Twisthaler, Dulera, Pulmicort Respules: primary treatment of status asthmaticus or acute episodes of asthma or COPD requiring intensive measures
- Brovana, Duaklir Pressair, Stiolto Respimat, Perforomist, Utibron Neohaler: use of a LABA without an ICS in patients with asthma
- Boxed warning(s): none reported

Appendix D: General Information

- Although inhaler devices with a digital component may offer increased convenience with tracking of inhaler usage, there is currently no evidence that this leads to improved clinical outcomes, including safety and effectiveness.
- Per the Global Initiative for Chronic Obstructive Lung Disease (GOLD) COPD guidelines, combination therapy (LAMA + LABA or ICS + LAMA + LABA) is recommended for Group B and ED patients (i.e., those who are very symptomatic or are at high risk of exacerbation). Selection of which combination to use depends on the individual patient:
 - o For those with more severe symptoms, LAMA + LABA may be used.
 - For those who are inadequately controlled by dual therapy or with blood eosinophil counts at least 300 cells/uL, triple therapy with ICS + LAMA + LABA may be used.
 - As of the 2023 guideline update, use of LABA + ICS in COPD is no longer encouraged. If there is an indication for an ICS, then LABA + LAMA + ICS has been shown to be superior to LABA + ICS and is therefore the preferred choice.
- Historical management of asthma has involved an as-needed short-acting beta agonist for reliever therapy, with stepwise approach to add on controller maintenance therapies such as inhaled corticosteroids and long-acting beta agonists. In 2019, the Global Initiative for Asthma (GINA) guidelines for asthma management and prevention began recommending that inhaled corticosteroids be initiated as soon as possible after diagnosis of asthma, including use as reliever therapy (to be administered as-needed alongside a short-acting beta agonist). The National Asthma Education and Prevention Program from the National Heart, Lung, and Blood Institute followed suit with their recommendations in 2020.
- Alvesco: Use in pediatric patients < 12 years of age: Two identically designed randomized, double-blind, parallel, placebo-controlled clinical trials of 12-weeks treatment duration were conducted in 1,018 patients aged 4 to 11 years with asthma but efficacy was not established. In addition, one randomized, double-blind, parallel, placebo-controlled clinical trial did not establish efficacy in 992 patients aged 2 to 6 years with asthma.

V. Dosage and Administration

Drug Name	Indication	Dosing Regimen	Maximum Dose
Advair Diskus	Asthma	1 inhalation BID (starting dosage is	500/50 mcg BID
		based on asthma severity)	
	COPD	1 inhalation of 250/50 mcg BID	250/50 mcg BID



Drug Name	Indication	Dosing Regimen	Maximum Dose
AirDuo	Asthma	1 inhalation BID (starting dosage is	232/14 mcg BID
Digihaler		based on asthma severity)	
AirDuo	Asthma	1 inhalation BID (starting dosage is	232/14 mcg BID
RespiClick		based on asthma severity)	
Alvesco	Asthma	Starting dose for patients who received bronchodilators alone: 80 mcg inhaled BID 320 mcg/day	
		Starting dose for patients who received inhaled corticosteroids: 80 mcg inhaled BID	640 mcg/day
		Starting dose for patients who received oral corticosteroids: 320 mcg inhaled BID	640 mcg/day
ArmonAir Digihaler	Asthma	1 inhalation BID (starting dosage is based on asthma severity and age)	232 mcg BID
Asmanex HFA	Asthma	2 inhalations BID (starting dosage is based on age and asthma severity)	800 mcg/day
Asmanex Twisthaler	Asthma	Dose varies based on previous therapy and age: 1 inhalation QD-BID	880 mcg/day
Brovana	COPD	One 15 mcg/2 mL vial inhaled via nebulizer every 12 hours	30 mcg/day
Duaklir Pressair	COPD	One inhalation by mouth BID	2 inhalations/day
Dulera	Asthma	Age 5 to 11 years: 2 inhalations of 50/5 mcg BID Age ≥ 12 years: 2 inhalations of 100/5 mcg or 200/5 mcg BID (starting dosage is based on asthma	200/5 mcg/day 800/20 mcg/day
		severity)	
Lonhala Magnair	COPD	One 25 mcg vial inhaled via nebulizer BID	50 mcg/day
Perforomist	COPD	One 20 mcg/2 mL vial inhaled via nebulizer every 12 hours	40 mcg/day
ProAir Digihaler	Treatment or prevention of bronchospasm	2 inhalations every 4 to 6 hours	12 inhalations/day
	Prevention of EIB	2 inhalations 15 to 30 minutes before exercise	2 inhalations before exercise
Pulmicort Respules	Asthma	Starting dose for patients who received bronchodilators alone or inhaled corticosteroids: 0.5 mg inhaled per day (0.5 mg QD or 0.25	Bronchodilator alone: 0.5 mg/day



Drug Name	Indication	Dosing Regimen	Maximum Dose
		mg BID; for inhaled corticosteroids, may go up to 0.5 mg BID)	Inhaled or oral corticosteroid: 1 mg/day
		Starting dose for patients who received oral corticosteroids: 1 mg	
		inhaled per day (1 mg QD or 0.5 mg BID)	
Seebri Neohaler	COPD	One inhalation (15.6 mcg) BID	2 inhalations/day
Stiolto Respimat	COPD	Two inhalations by mouth QD at the same time of day	2 inhalations/day
Symbicort	Asthma	2 inhalations BID (starting dosage is based on asthma severity)	320/9 mcg BID
	COPD	2 inhalations (160/4.5 mcg) BID	320/9 mcg BID
Symbicort Aerosphere	COPD	2 inhalations (160/4.8 mcg) BID	320/9.6 mcg BID
Tudorza Pressair	COPD	1 inhalation (400 mcg) BID	800 mcg/day
Utibron Neohaler	COPD	Inhalation of the contents of one capsule BID	2 capsules/day
Yupelri	COPD	One 175 mcg mcg vial inhaled via nebulizer QD	175 mcg/day

VI. Product Availability

Drug Name	Availability
Advair Diskus	Inhalation powder containing fluticasone/salmeterol: 100/50 mcg, 250/50
	mcg, 500/50 mcg
AirDuo	Inhalation powder: In each actuation: 55/14 mcg contains 55 mcg of
Digihaler	fluticasone propionate and 14 mcg of salmeterol; 113/14 mcg contains
	113 mcg of fluticasone propionate and 14 mcg of salmeterol; 232/14 mcg
	contains 232 mcg of fluticasone propionate and 14 mcg of salmeterol.
	AirDuo Digihaler contains a built-in electronic module
AirDuo	Inhalation powder: In each actuation: 55 mcg/14 mcg contains 55 mcg of
RespiClick	fluticasone propionate and 14 mcg of salmeterol; 113 mcg/14 mcg
	contains 113 mcg of fluticasone propionate and 14 mcg of salmeterol; 232
	mcg/14 mcg contains 232 mcg of fluticasone propionate and 14 mcg of
	salmeterol
Alvesco	Inhalation aerosol: 80 mcg/actuation, 160 mcg/actuation
ArmonAir	Inhalation powder containing 30 mcg, 55 mcg, 113 mcg, or 232 mcg of
Digihaler	fluticasone propionate per actuation. ArmonAir Digihaler contains a built-
	in electronic module
Asmanex	Inhalation aerosol containing 50 mcg, 100 mcg, or 200 mcg of
HFA	mometasone furoate per actuation
Asmanex	Inhalation device: 110 mcg (delivers 100 mcg/actuation), 220 mcg
Twisthaler	(delivers 200 mcg/actuation)



Drug Name	Availability
Brovana	Inhalation solution (unit-dose vial for nebulization): 15 mcg/2 mL
Duaklir	Inhalation powder: 30 and 60 metered dose dry powder inhaler metering
Pressair	400 mcg aclidinium bromide and 12 mcg formoterol fumarate per
	actuation
Dulera	Inhalation aerosol containing mometasone/formoterol: 50/5 mcg, 100/5
	mcg, 200/5 mcg per actuation
Lonhala	Sterile solution for inhalation in a unit-dose vial: 25 mcg/mL
Magnair	
Perforomist	Inhalation solution (unit dose vial for nebulization): 20 mcg/2 mL solution
ProAir	Inhalation powder: dry powder inhaler 108 mcg of albuterol sulfate
Digihaler	(equivalent to 90 mcg of albuterol base) from the mouthpiece per
	actuation. The inhaler is supplied for 200 inhalation doses. ProAir
	Digihaler includes a built-in electronic module
Pulmicort	Inhalation suspension: 0.25 mg/2 mL, 0.5 mg/2 mL, 1 mg/2 mL
Respules	
Seebri	Inhalation powder in capsules: 15.6 mcg of glycopyrrolate inhalation
Neohaler	powder for use with the Neohaler device
Stiolto	Inhalation spray: 2.5 mcg tiotropium (equivalent to 3.124 mcg tiotropium
Respimat	bromide monohydrate), and 2.5 mcg olodaterol (equivalent to 2.736 mcg
	olodaterol hydrochloride) per actuation; two actuations equal one dose
Symbicort	Metered-dose inhaler: budesonide (80 or 160 mcg) and formoterol (4.5
	mcg) as an inhalation aerosol
Symbicort	Metered-dose inhaler: budesonide (160 mcg) and formoterol (4.8 mcg) as
Aerosphere	an inhalation aerosol
Tudorza	Inhalation powder in a multi-dose dry powder inhaler: 400 mcg/actuation
Pressair	
Utibron	Inhalation powder in capsule, for use with the Neohaler device: 27.5 mcg
Neohaler	of indacaterol and 15.6 mcg glycopyrrolate
Yupelri	Inhalation solution (unit-dose vial for nebulization): 175 mcg/3 mL

VII. References

SABA

- 1. ProAir Digihaler Prescribing Information. Parsippany, NJ: Teva Pharmaceuticals USA, Inc; September 2020. Available at: https://www.digihaler.com/globalassets/proair digihaler/proair digihaler pi.pdf. Accessed
 - October 31, 2022.
- 2. Nelson HS, Bensch G, Pleskow WW, et al. Improved bronchodilation with levalbuterol compared with racemic albuterol in patients with asthma. J Allergy Clin Immunol. 1998; 102: 943-952.
- 3. Gawchik SM, Consuelo SL, Noonan M, et al. The safety and efficacy of nebulized levalbuterol compared with racemic albuterol and placebo in the treatment of asthma in pediatric patients. J Allergy Clin Immunol. 1999; 103: 615-21.

ICS

4. Alvesco Prescribing Information. Marlborough, MA: Sunovion Pharmaceuticals Inc.; April 2019. Available at http://www.alvesco.us. Accessed October 31, 2022.



- 5. ArmonAir Digihaler Prescribing Information. Parsippany, NJ: Teva Pharmaceuticals USA, Inc; April 2022. Available at: https://www.accessdata.fda.gov/drugsatfda_docs/label/2022/208798s013lbl.pdf. Accessed October 31, 2022.
- 6. Asmanex HFA Prescribing Information. Whitehouse Station, NJ: Merck; June 2021. Available at: https://www.merck.com/product/usa/pi_circulars/a/asmanex_hfa/asmanex_hfa_pi.pdf. Accessed October 31, 2022.
- 7. Asmanex Twisthaler Prescribing Information. Whitehouse Station, NJ: Merck; June 2021. Available at: https://www.merck.com/product/usa/pi_circulars/a/asmanex/asmanex_pi.pdf. Accessed October 31, 2022.
- 8. Pulmicort Respules Prescribing Information. Wilmington, DE: AstraZeneca; October 2019. Available at http://www.pulmicortrespules.com. Accessed October 31, 2022.

LABA

- 9. Brovana Prescribing Information. Marlborough, MA: Sunovion Pharmaceuticals Inc.; May 2019. Available at http://www.brovana.com. Accessed October 31, 2022.
- 10. Perforomist Prescribing Information. Morgantown, WV: Mylan Specialty L.P.; May 2019. Available at: https://www.accessdata.fda.gov/drugsatfda_docs/label/2019/022007s015lbl.pdf. Accessed October 31, 2022.
- 11. Striverdi Respimat Prescribing Information. Ridgefield, CT: Boehringer Ingelheim Pharmaceuticals, Inc.; November 2021. Available at: www.striverdi.com. Accessed October 31, 2022.

LAMA

- 12. Lonhala Magnair Prescribing Information. Marlborough, MA: Sunovion Pharmaceuticals Inc; August 2020. Available at: https://www.lonhalamagnair.com/LonhalaMagnair-Prescribing-Information.pdf. Accessed October 31, 2022.
- 13. Seebri Neohaler Prescribing Information. East Hanover, New Jersey: Novartis Pharmaceuticals Corporation; July 2021. Available at: https://www.accessdata.fda.gov/drugsatfda_docs/label/2021/207923s005lbl.pdf. Accessed October 31, 2022.
- 14. Tudorza Pressair Prescribing Information. Wilmington, DE: AstraZeneca; February 2021. Available at: https://www.tudorza.com/pdf/tudorza-pressair-prescribing-information.pdf. Accessed October 31, 2022.
- 15. Yupelri Prescribing Information. Morgantown, WV: Mylan Specialty L.P.; May 2022. Available at: https://dailymed.nlm.nih.gov/dailymed/fda/fdaDrugXsl.cfm?setid=6dfebf04-7c90-436a-9b16-750d3c1ee0a6&type=display. Accessed October 31, 2022.

ICS/LABA

- 16. Advair Diskus Prescribing Information. Research Triangle Park, NC: GlaxoSmithKline; August 2020. Available at http://www.advair.com. Accessed October 31, 2022.
- 17. AirDuo Digihaler Prescribing Information. Frazer, PA: Teva Respiratory, LLC; July 2021. Available at: https://www.digihaler.com/globalassets/airduo_digihaler/airduo_digihaler_pi.pdf. Accessed October 31, 2022.
- 18. AirDuo RespiClick Prescribing Information. Parsippany, NJ: Teva Pharmaceuticals USA, Inc; July 2021. Available at: https://www.myairduo.com/globalassets/myairduo/pdf/pi.pdf. Accessed October 31, 2022.



- 19. Dulera Prescribing Information. Whitehouse Station, NJ: Merck & Co., Inc.; June 2021. Available at http://www.dulera.com. Accessed October 31, 2022.
- 20. Symbicort Prescribing Information. Wilmington, DE: AstraZeneca Pharmaceuticals; July 2019. Available at: https://www.azpicentral.com/symbicort/symbicort.pdf#page=1. Accessed October 31, 2022.
- 21. Symbicort Aerosphere Prescribing Information. Wilmington, DE: AstraZeneca Pharmaceuticals; April 2023. Available at: https://www.accessdata.fda.gov/drugsatfda_docs/label/2023/216579s000lbl.pdf. Accessed May 26, 2023.

LABA/LAMA

- 22. Duaklir Pressair Prescribing Information. Morrisville, NC: Circassia Pharmaceuticals Inc.; March 2019. Available at: https://www.accessdata.fda.gov/drugsatfda_docs/label/2019/210595lbl.pdf. Accessed October 31, 2022.
- 23. Stiolto Respimat Prescribing Information. Ridgefield, CT: Boehringer Ingelheim Pharmaceuticals, Inc.; November 2021. Available at https://www.stiolto.com/. Accessed October 31, 2022.
- 24. Utibron Neohaler Prescribing Information. East Hanover, NJ: Novartis Pharmaceuticals Corporation; July 2021. Available at: https://www.accessdata.fda.gov/drugsatfda_docs/label/2021/207930s005s006lbl.pdf. Accessed October 31, 2022.

Guidelines

- 25. National Heart, Lung, and Blood Institute. Expert panel report 3: guidelines for the diagnosis and management of asthma. National Asthma Education and Prevention Program. Published August 28, 2007. Available from: http://www.nhlbi.nih.gov/health-pro/guidelines/current/asthma-guidelines/full-report/. Accessed October 25, 2022.
- 26. Cloutler MM, Dixon AE, Krishnan JA, et al. Managing asthma in adolescents and adults 2020: asthma guideline update from the National Asthma Education and Prevention Program. JAMA. 2020; 324: 2301-2317.
- 27. Global Initiative for Asthma. Global strategy for asthma management and prevention (2022 report). Available from: www.ginasthma.org. Accessed October 25, 2022.
- 28. Global Initiative for Chronic Obstructive Lung Disease (GOLD). Global strategy for the diagnosis, management, and prevention of chronic obstructive pulmonary disease (2023 report). Available at: http://www.goldcopd.org. Accessed January 11, 2023.

Reviews, Revisions, and Approvals	Date	P&T Approval Date
Policy created: adapted from previously approved individual drug policies- CP.PCH.35 Alvesco, CP.PCH.36 Asmanex, HIM.PA.48 Pulmicort Respules, HIM.PA.102 Utibron Neohaler, HIM.PA.150 Breztri Aerosphere, and HIM.PA.151 Duaklir Pressair (all to be retired); added additional agents and revised criteria to reflect SDC CY2021 strategy/prior clinical guidance; added requirement for	10.29.20	02.21
medical justification for requests for agents with digital component. Added option for request to not exceed the health plan quantity limit.	04.23.21	



Reviews, Revisions, and Approvals	Date	P&T Approval Date
Per October SDC, removed Breztri Aerosphere from criteria.	10.27.21	
1Q 2022 annual review: no significant changes; references reviewed and updated.	09.21.21	02.22
Per March SDC for brand Perforomist and Brovana added redirection to generic formoterol/arformoterol.	03.22.22	05.22
RT4: updated ArmonAir Digihaler per prescribing information for pediatric extension down to 4 years of age and older, added new 30 mcg strength; references reviewed and updated.	05.16.22	
Per August SDC, revised AirDuo Digihaler, AirDuo RespiClick, Dulera redirection to include only Symbicort authorized generic rather than both brand and generic. Template changes applied to other diagnoses/indications and continued therapy section.	08.23.22	11.22
1Q 2023 annual review: no significant changes; updated Appendix D with updated 2023 GOLD guideline recommendations; references reviewed and updated.	01.11.23	02.23
Per April SDC, removed Xopenex from policy.	04.20.23	
RT4: added newly approved dosage form Symbicort Aerosphere to policy with redirection to generic Symbicort per SDC and prior clinical guidance; updated dosing for Breo Ellipta in Appendix B per prescribing information for pediatric extension down to 5 years of age and older. Corrected maximum dose for Bevespi Aerosphere from 2 inhalations/day to 4 inhalations/day per dosing regimen (2 inhalations BID); added redirection to generic Symbicort for brand Symbicort per SDC and prior clinical guidance.	05.26.23	

Important Reminder

This clinical policy has been developed by appropriately experienced and licensed health care professionals based on a review and consideration of currently available generally accepted standards of medical practice; peer-reviewed medical literature; government agency/program approval status; evidence-based guidelines and positions of leading national health professional organizations; views of physicians practicing in relevant clinical areas affected by this clinical policy; and other available clinical information. The Health Plan makes no representations and accepts no liability with respect to the content of any external information used or relied upon in developing this clinical policy. This clinical policy is consistent with standards of medical practice current at the time that this clinical policy was approved. "Health Plan" means a health plan that has adopted this clinical policy and that is operated or administered, in whole or in part, by Centene Management Company, LLC, or any of such health plan's affiliates, as applicable.

The purpose of this clinical policy is to provide a guide to medical necessity, which is a component of the guidelines used to assist in making coverage decisions and administering benefits. It does not constitute a contract or guarantee regarding payment or results. Coverage decisions and the administration of benefits are subject to all terms, conditions, exclusions and



limitations of the coverage documents (e.g., evidence of coverage, certificate of coverage, policy, contract of insurance, etc.), as well as to state and federal requirements and applicable Health Plan-level administrative policies and procedures.

This clinical policy is effective as of the date determined by the Health Plan. The date of posting may not be the effective date of this clinical policy. This clinical policy may be subject to applicable legal and regulatory requirements relating to provider notification. If there is a discrepancy between the effective date of this clinical policy and any applicable legal or regulatory requirement, the requirements of law and regulation shall govern. The Health Plan retains the right to change, amend or withdraw this clinical policy, and additional clinical policies may be developed and adopted as needed, at any time.

This clinical policy does not constitute medical advice, medical treatment or medical care. It is not intended to dictate to providers how to practice medicine. Providers are expected to exercise professional medical judgment in providing the most appropriate care, and are solely responsible for the medical advice and treatment of members. This clinical policy is not intended to recommend treatment for members. Members should consult with their treating physician in connection with diagnosis and treatment decisions.

Providers referred to in this clinical policy are independent contractors who exercise independent judgment and over whom the Health Plan has no control or right of control. Providers are not agents or employees of the Health Plan.

This clinical policy is the property of the Health Plan. Unauthorized copying, use, and distribution of this clinical policy or any information contained herein are strictly prohibited. Providers, members and their representatives are bound to the terms and conditions expressed herein through the terms of their contracts. Where no such contract exists, providers, members and their representatives agree to be bound by such terms and conditions by providing services to members and/or submitting claims for payment for such services.

©2021 Centene Corporation. All rights reserved. All materials are exclusively owned by Centene Corporation and are protected by United States copyright law and international copyright law. No part of this publication may be reproduced, copied, modified, distributed, displayed, stored in a retrieval system, transmitted in any form or by any means, or otherwise published without the prior written permission of Centene Corporation. You may not alter or remove any trademark, copyright or other notice contained herein. Centene® and Centene Corporation® are registered trademarks exclusively owned by Centene Corporation.