



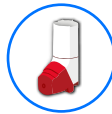
SABA

SHORT-ACTING BETA-2 AGONIST



ProAir HFA
METERED DOSE
(200 inhalations)
Albuterol

4+
G AG



ProAir RespiClick
DRY POWDER
(200 inhalations)
Albuterol

4+



Proventil HFA
METERED DOSE
(200 inhalations)
Albuterol

4+
G AG



Ventolin HFA
METERED DOSE
(200 inhalations)
Albuterol

4+
AG



Xopenex HFA
METERED DOSE
(200 inhalations)
Levalbuterol

4+
AG



SAMA

SHORT-ACTING MUSCARINIC ANTAGONIST



Atrovent HFA
METERED DOSE
(200 inhalations)
Ipratropium

C



SAMA + SABA

COMBINATION



Combivent RespiMat
SOFT MIST
(120 inhalations)
Ipratropium/Albuterol

C



Age (years) approved for asthma

Age (years) approved for bronchospasm

C Approved for COPD

AG Authorized generic available

G AB-rated generics available
(including branded generics)

NOTE: SABAs are FDA-approved for bronchospasm in reversible obstructive airway diseases and exercise-induced bronchospasm (EIB), except **Xopenex (levalbuterol)** is not indicated for EIB; **Airsupra (albuterol/budesonide)** is indicated as needed for bronchoconstriction and to reduce the risk of asthma exacerbations; **Serevent Diskus (salmeterol)** is indicated for EIB, asthma (in addition to an ICS), and COPD. Indications and evidence for individual agents are subject to change and geographic variability.



LABA

LONG-ACTING BETA-2 AGONIST



Serevent Diskus
DRY POWDER
(60 inhalations)
Salmeterol

4+ 4+
C



Striverdi Respimat
SOFT MIST
(60 inhalations)
Olodaterol

C



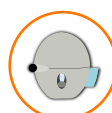
LAMA

LONG-ACTING MUSCARINIC ANTAGONIST



Incruse Ellipta
DRY POWDER
(30 inhalations)
Umeclidinium

C



Spiriva HandiHaler
DRY POWDER
(30 doses [2 inhalations/capsule])
Tiotropium

C G



Spiriva Respimat
SOFT MIST
(60 inhalations)
Tiotropium

6+ C



Tudorza Pressair
DRY POWDER
(60 inhalations)
Aclidinium

C



LAMA + LABA

COMBINATION



Anoro Ellipta
DRY POWDER
(30 inhalations)
Umeclidinium/Vilanterol

C



Bevespi Aerosphere
METERED DOSE
(120 inhalations)
Glycopyrrolate/Formoterol

C



Duaklir Pressair
DRY POWDER
(60 inhalations)
Aclidinium/Formoterol

C



Stiolto Respimat
SOFT MIST
(60 inhalations)
Tiotropium/Olodaterol

C



ICS

INHALED CORTICOSTEROID



Alvesco
METERED DOSE
(60 inhalations)
Ciclesonide

12+



Arnuity Ellipta
DRY POWDER
(30 inhalations)
Fluticasone furoate

5+



Asmanex Twisthaler
DRY POWDER
(110 mcg: 30 inhalations); (220 mcg: 120 inhalations)
Mometasone

4+



Asmanex HFA
METERED DOSE
(120 inhalations)
Mometasone

5+



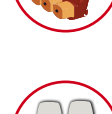
Flovent Diskus (Brand Discontinued)
DRY POWDER
(60 inhalations)
Fluticasone propionate

4+
AG



Flovent HFA (Brand Discontinued)
METERED DOSE
(120 inhalations)
Fluticasone propionate

4+
AG



Pulmicort Flexhaler
DRY POWDER
(90 mcg: 60 inhalations); (180 mcg: 120 inhalations)
Budesonide

6+



QVAR ReditHaler
METERED DOSE
(120 inhalations)
Beclomethasone

4+



ICS + LAMA + LABA

COMBINATION



Breztri Aerosphere
METERED DOSE
(120 inhalations)
Budesonide/Glycopyrrolate/Formoterol

C



Trelegy Ellipta
DRY POWDER
(30 inhalations)
Fluticasone furoate/Umeclidinium/Vilanterol

18+ C



SABA + ICS

COMBINATION



Airsupra
METERED DOSE
(120 inhalations)
Albuterol/Budesonide

18+



ICS + LABA

COMBINATION



Advair Diskus
DRY POWDER
(60 inhalations)
Fluticasone prop./Salmeterol

4+ C
G AG



Advair HFA
METERED DOSE
(120 inhalations)
Fluticasone prop./Salmeterol

12+
AG



AirDuo RespiClick
DRY POWDER
(60 inhalations)
Fluticasone prop./Salmeterol

12+
AG



Breo Ellipta
DRY POWDER
(30 inhalations)
Fluticasone furoate/Vilanterol

5+ C
AG



Breyna (Generic for Symbicort)
METERED DOSE
(120 inhalations)
Budesonide/Formoterol

6+ C



Dulera
METERED DOSE
(120 inhalations)
Mometasone/Formoterol

5+



Symbicort
METERED DOSE
(120 inhalations)
Budesonide/Formoterol

6+ C
G AG



Wixela Inhub (Generic for Advair Diskus)
DRY POWDER
(60 inhalations)
Fluticasone prop./Salmeterol

4+ C

Last Updated 1/2025



More clinical pearls at pyrls.com

©2025 Cosmas Health, Inc.

Scan code to
access inhaler
administration
resources



#

Age (years) approved for asthma

#

Age (years) approved for bronchospasm

C

Approved for COPD

AG

Authorized generic available

G

AB-rated generics available
(including branded generics)

Note: SABAs are FDA-approved for bronchospasm in reversible obstructive airway diseases and exercise-induced bronchospasm (EIB), except **Xopenex (levalbuterol)**, which is not indicated for EIB; **Airsupra (albuterol/budesonide)** is indicated as needed for bronchoconstriction and to reduce the risk of asthma exacerbations; **Serevent Diskus (salmeterol)** is indicated for EIB, asthma (**in addition to an ICS**), and COPD. Indications and evidence are subject to change and geographic variability.

Acclidinium Long-Acting Muscarinic Antagonist	TUDORZA PRESSAIR 400 mcg	C
Acclidinium/Formoterol Long-Acting Muscarinic Antagonist/ Long-Acting Beta-2 Agonist	DUAKLIR PRESSAIR 400/12 mcg	C
Albuterol Short-Acting Beta-2 Agonist	PROAIR, PROVENTIL, VENTOLIN 90 mcg	4+ G AG
Note: No generic currently available for ProAir RespiClick		
Albuterol/Budesonide Short-Acting Beta-2 Agonist/ Inhaled Corticosteroid	AIRSUPRA 90/80 mcg	18+
Beclomethasone Inhaled Corticosteroid	QVAR REDHALER 40, 80 mcg	4+
Budesonide Inhaled Corticosteroid	PULMICORT FLEXHALER 90, 180 mcg	6+
Budesonide/Formoterol Inhaled Corticosteroid/ Long-Acting Beta-2 Agonist	SYMBICORT 80/4.5, 160/4.5 mcg	6+ C G AG
Breyna is a generic for Symbicort		
Budesonide/Glycopyrrolate/ Formoterol Inhaled Corticosteroid/ Long-Acting Muscarinic Antagonist/Long-Acting Beta-2 Agonist	BREZTRI AEROSPHERE 160/9/4.8 mcg	C
Ciclesonide Inhaled Corticosteroid	ALVESCO 80, 160 mcg	12+
Fluticasone furoate Inhaled Corticosteroid	ARNUITY ELLIPTA 50, 100, 200 mcg	5+
Fluticasone propionate Inhaled Corticosteroid	FLOVENT DISKUS 50, 100, 250 mcg	4+ AG
Note: Flovent branded products discontinued		
	FLOVENT HFA 44, 110, 220 mcg	4+ AG
Fluticasone/Salmeterol Inhaled Corticosteroid/ Long-Acting Beta-2 Agonist	AIRDUO RESPICLICK 55/14, 113/14, 232/14 mcg	12+ AG
Wixela Inhub is a generic for Advair Diskus		
	ADVAIR DISKUS 100/50, 250/50, 500/50 mcg	4+ C G AG
	ADVAIR HFA 45/21, 115/21, 230/21 mcg	12+ AG
Fluticasone/Umeclidinium/ Vilanterol Inhaled Corticosteroid/ Long-Acting Muscarinic Antagonist/Long-Acting Beta-2 Agonist	TRELEGY ELLIPTA 100/62.5/25 mcg 200/62.5/25 mcg	18+ C

Fluticasone/Vilanterol Inhaled Corticosteroid/ Long-Acting Beta-2 Agonist	BREO ELLIPTA 50/25, 100/25, 200/25 mcg	5+ C AG
Glycopyrrolate/Formoterol Long-Acting Muscarinic Antagonist/ Long-Acting Beta-2 Agonist	BEVESPI AEROSPHERE 9/4.8 mcg	C
Ipratropium Short-Acting Muscarinic Antagonist	ATROVENT HFA 17 mcg	C
Ipratropium/Albuterol Short-Acting Muscarinic Antagonist/ Short-Acting Beta-2 Agonist	COMBIVENT RESPIMAT 20/100 mcg	C
Levalbuterol Short-Acting Beta-2 Agonist	XOPENEX 45 mcg	4+ AG
Mometasone Inhaled Corticosteroid	ASMANEX TWISTHALER 110, 220 mcg	4+
	ASMANEX HFA 50, 100, 200 mcg	5+
Mometasone/Formoterol Inhaled Corticosteroid/ Long-Acting Beta-2 Agonist	DULERA 50/5, 100/5, 200/5 mcg	5+
Olodaterol Long-Acting Beta-2 Agonist	STRIVERDI RESPIMAT 2.5 mcg	C
Salmeterol Long-Acting Beta-2 Agonist	SEREVENT DISKUS 50 mcg	4+ 4+ C
Tiotropium Long-Acting Muscarinic Antagonist	SPIRIVA HANDIHALER 18 mcg	C G
	SPIRIVA RESPIMAT 1.25, 2.5 mcg	6+ C
Tiotropium/Olodaterol Long-Acting Muscarinic Antagonist/ Long-Acting Beta-2 Agonist	STIOLTO RESPIMAT 2.5/2.5 mcg	C
Umeclidinium Long-Acting Muscarinic Antagonist	INCRUSE ELLIPTA 62.5 mcg	C
Umeclidinium/Vilanterol Long-Acting Muscarinic Antagonist/ Long-Acting Beta-2 Agonist	ANORO ELLIPTA 62.5/25 mcg	C

ICS (DELIVERY)	TOTAL DAILY DOSE (MCG/DAY)			
	Age	Low	Medium	High
Beclomethasone (MDI)	≥12 years	100-200	>200-400	>400
	6-11 years	50-100	>100-200	>200
Budesonide (DPI)	≥12 years	200-400	>400-800	>800
	6-11 years	100-200	>200-400	>400
Ciclesonide (MDI)	≥12 years	80-160	>160-320	>320
	6-11 years	80	>80-160	>160
Fluticasone furoate (DPI)	≥12 years	100		200
	6-11 years	50		N/A
Fluticasone prop. (DPI)	≥12 years	100-250	>250-500	>500
	6-11 years	50-100	>100-200	>200
Fluticasone prop. (MDI)	≥12 years	100-250	>250-500	>500
	6-11 years	50-100	>100-200	>200
Mometasone (DPI)	≥12 years	110-220	>220-440	>440
	6-11 years	N/A		
Mometasone (MDI)	≥12 years	200-400		>400
	6-11 years	100		200

ICS DAILY LOW DOSE CATEGORIZATION IN CHILDREN AGES ≤5 YEARS	
ICS (DELIVERY)	LOW TOTAL DAILY DOSE (MCG/DAY) (Age group with adequate safety & efficacy data)
Beclomethasone (MDI)	50 (ages ≥5 years)
Budesonide (nebulized)	500 (ages ≥1 years)
Ciclesonide (MDI)	Not sufficiently studied in ages ≤5 years
Fluticasone furoate (DPI)	Not sufficiently studied in ages ≤5 years
Fluticasone prop. (MDI)	50 (ages ≥4 years)
Mometasone (MDI)	100 (ages ≥5 years)

DPI: Dry-powder inhaler
MDI: Metered-dose inhaler

References available at [PyrIs.com](#)

Last Updated 5/2025

pyrls

More clinical pearls at [pyrls.com](#)

©2025 Cosmas Health, Inc.

Scan code to
access inhaler
administration
resources

