


Nasal Sprays for Allergic Rhinitis

Updated April 2025

Product (Class)	Adult Dose ^a (mcg/spray provided for steroids)	Pediatric Dose ^a (mcg/spray provided for steroids)	Cost ^b
Azelastrine 0.1% (US only) ^{c,f} (previous brand Astelin) AH Rx G	1 to 2 sprays in each nostril BID	5 to 11 years: 1 spray in each nostril BID	(200 sprays) US: ~\$20
Azelastrine 0.15% (US only) (Astepro Allergy, Children's Astepro Allergy) ^f AH OTC	1 to 2 sprays in each nostril BID OR 2 sprays in each nostril once daily (max 4 sprays in each nostril per day)	6 to 11 years: 1 spray in each nostril BID (max 2 sprays in each nostril per day)	(60 sprays) US: ~\$20 (120 sprays) US: ~\$25 (240 sprays) US: ~\$50
Azelastrine 0.15% (US only) (previous brand Astepro) ^f AH Rx G	Seasonal allergies: 1 to 2 sprays in each nostril BID OR 2 sprays in each nostril once daily Perennial allergies: 2 sprays in each nostril BID	6 to 11 years: 1 spray in each nostril BID	(200 sprays) US: ~\$110
Azelastrine/Fluticasone (Dymista) ^{c,f} AH S Rx G	(fluticasone: 50 mcg/spray) 1 spray in each nostril BID	(fluticasone: 50 mcg/spray) 6 years and older: 1 spray in each nostril BID	(120 sprays) US: ~\$170 Canada: ~\$97
Beclomethasone (Canada only) ^f S Rx G	(50 mcg/spray) 2 sprays in each nostril BID	(50 mcg/spray) 6 years and older: 2 sprays in each nostril BID	(200 sprays) Canada: ~\$13
Beclomethasone (US only) (Qnasl) ^g S Rx	(80 mcg/spray) 2 sprays in each nostril once daily	(40 mcg/spray) 4 to 11 years: 1 spray in each nostril once daily	(80 mcg; 120 sprays) US: ~\$320 (40 mcg; 60 sprays) US: ~\$320
Budesonide (Canada only) (previous brand Rhinocort Aqua) ^f S Rx G	(100 mcg/spray) 1 spray in each nostril BID OR 1 to 2 sprays in each nostril once daily	(100 mcg/spray) 6 to 11 years: 1 to 2 sprays in each nostril once daily	(165 sprays) Canada: ~\$17
	(64 mcg/spray) 1 spray in each nostril BID OR 1 to 2 sprays in each nostril once daily	(64 mcg/spray) 6 to 11 years: 1 to 2 sprays in each nostril once daily	(120 sprays) Canada: ~\$11
Budesonide (US only) (previous brand Rhinocort Allergy) ^f S OTC G	(32 mcg/spray) 1 to 2 sprays in each nostril once daily	(32 mcg/spray) 12 years and older: same as adult dose	(120 sprays) US: ~\$20
Ciclesonide (Omnaris) ^f S Rx	(50 mcg/spray) 2 sprays in each nostril once daily	(50 mcg/spray) 6 to 11 years (US): (for seasonal allergic rhinitis indication only): 2 sprays in each nostril once daily Not indicated for patients under 12 years (Canada)	(120 sprays) US: ~\$295 Canada: ~\$29






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Ciclesonide (US only) (Zetonna) ^g 	(37 mcg/spray) 1 spray in each nostril once daily	12 years and older: same as adult dose	(60 sprays) US: ~\$220
Cromolyn (US only) (NasalCrom) ^f 	1 spray in each nostril three to six times each day	2 to 11 years: 1 spray in each nostril three to six times each day	(200 sprays) US: ~\$7
Flunisolide (US only) ^f 	(50 mcg/spray) 2 sprays in each nostril BID to TID (max 8 sprays in each nostril per day)	(50 mcg/spray) 6 to 14 years: 2 sprays in each nostril BID OR 1 spray in each nostril TID (max 4 sprays in each nostril per day)	(200 sprays) US: ~\$56
Fluticasone furoate (US only) (Flonase Sensimist) ^f 	(27.5 mcg/spray) Week 1: 2 sprays in each nostril once daily Week 2 to 6 months: 1 to 2 sprays in each nostril once daily, as needed	(27.5 mcg/spray) 2 to 11 years: 1 spray in each nostril once daily	(60 sprays) US: ~\$15 (120 sprays) US: ~\$23
Fluticasone furoate (Canada only) ^e (Avamys) ^f 	(27.5 mcg/spray) 2 sprays in each nostril once daily	(27.5 mcg/spray) 1 to 2 sprays in each nostril once daily	(120 sprays) Canada: ~\$35
Fluticasone propionate (Flonase Allergy Relief) ^{e,f} 	(50 mcg/spray) US: Week 1: 2 sprays in each nostril once daily Week 2 to 6 months: 1 to 2 sprays in each nostril once daily, as needed Canada: 1 to 2 sprays in each nostril once daily	(50 mcg/spray) US: 4 to 11 years: 1 spray in each nostril once daily Canada: OTC product is not indicated under 18 years.	(144 sprays) US: ~\$17 (60 sprays) Canada: ~\$25 (120 sprays) Canada: ~\$37
Fluticasone propionate (Canada only) (previous brand Flonase) 	Rx product is not indicated for 18 years and older.	(50 mcg/spray) 4 to 11 years: 1 to 2 sprays in each nostril once daily 12 to 17 years: 2 sprays in each nostril once or twice daily	(60 sprays) Canada: ~\$15 (120 sprays) Canada: ~\$23
Ipratropium 0.03% (21 mcg/spray) ^{d,f} (Ipravent [Canada], previous brand Atrovent [US]) 	2 sprays in each nostril BID to TID	6 to 12 years (US) or 12 years and older (Canada): 2 sprays in each nostril BID to TID	(345 sprays) US: ~\$34 Canada: ~\$35
Ipratropium 0.06% (42 mcg/spray) ^{c,f,h} (US only) (previous brand Atrovent) 	2 sprays in each nostril QID	5 to 12 years: 2 sprays in each nostril QID	(165 sprays) US: ~\$34
Mometasone (US only) (Nasonex 24HR Allergy) ^{c,f} 	(50 mcg/spray) 2 sprays in each nostril once daily	(50 mcg/spray) 2 to 11 years: 1 spray in each nostril once daily	(60 sprays) US: ~\$11 (120 sprays) US: ~\$20

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Mometasone (Nasonex [previous brand in US]) ^{f,i} 	(50 mcg/spray) 2 sprays in each nostril once daily (US) Not indicated in patients older than 11 years for seasonal or perennial allergic rhinitis (Canada)	(50 mcg/spray) Not indicated for patients under 12 years (US) 3 to 11 years (Canada): 1 spray in each nostril once daily	(120 sprays) US: ~\$120 (140 sprays) Canada: ~\$11
Olopatadine (US only) (Patanase) ^{c,f} 	2 sprays in each nostril BID	6 to 11 years: 1 spray in each nostril BID	(240 sprays) US: ~\$77
Olopatadine/Mometasone (Ryaltris) ^{c,f} 	(mometasone: 25 mcg/spray) 2 sprays in each nostril BID	(mometasone: 25 mcg/spray) Not indicated for patients under 12 years (US) 6 to 11 years (Canada): 1 spray in each nostril BID	(240 sprays) US: ~\$250 Canada: ~\$64
Triamcinolone (Canada only) (Nasacort AQ) 	Not indicated for patients older than 12 years	(55 mcg/spray) 4 to 12 years: 1 spray in each nostril once daily; may increase to 2 sprays in each nostril if needed	(120 sprays) Canada: ~\$22
Triamcinolone (Nasacort Allergy 24HR) ^f 	(55 mcg/spray) 1 to 2 sprays in each nostril once daily	(55 mcg/spray) Not indicated for patients under 12 years (Canada) 2 to 5 years (US): 1 spray in each nostril once daily 6 to 12 years (US): 1 to 2 sprays in each nostril once daily	(60 sprays) US: ~\$12 Canada: ~\$20 (120 sprays) US: ~\$16 Canada: ~\$28

Abbreviations key:  antihistamine  anticholinergic  mast cell stabilizer  over-the-counter  prescription  steroid
 generic available  generic available (US) **Other abbreviations:** BID = twice daily; TID = three times daily; QID = four times daily

Footnotes:

- Dosing per FDA- or Health Canada-approved product labeling.* If pediatric dose is 1 to 2 sprays, start with 1 spray.
- Pricing based on wholesale acquisition cost (WAC), for generic product if available. US medication pricing by Elsevier, accessed February 2025. (Astepro, Flonase Allergy Relief [Canada], and Nasacort Allergy 24HR [Canada] pricing obtained from internet retailer pricing, accessed February 2025).
- Indicated for seasonal allergic rhinitis only.
- Indicated for perennial allergic rhinitis only.
- Note that Rx Flonase (US) (fluticasone propionate, available only as generics) is indicated for perennial nonallergic rhinitis.
- Aqueous formulation.
- Alcohol-based formulation.
- Canadian product is available; however, not included within this chart as it is only indicated for rhinorrhea associated with the common cold.
- In the US, indicated for seasonal allergic rhinitis only.

The following US product labeling was used for the above chart: azelastine 0.1% (Avkare, February 2021), Astepro Allergy (December 2024), azelastine 0.15% (Amneal, September 2021), Dymista (December 2024), Qnasl (September 2022), budesonide nasal spray (Apotex, accessed March 4, 2025); Omnaris (May 2019), Zetonna (September 2024), NasalCrom (December 2023), flunisolide (Bausch & Lomb, December 2024), Flonase Sensimist (March 2024), Flonase Allergy Relief (December 2024), fluticasone propionate (Chartwell Rx, December 2023); ipratropium 0.03% (September 2024), ipratropium 0.06% (September 2024), Nasonex 24HR Allergy (OTC labeling accessed March 15, 2023), mometasone (Amneal Pharmaceuticals, August 2022), Patanase (June 2021), Ryaltris (October 2023), Nasacort Allergy 24HR (OTC labeling accessed March 15, 2023).

The following Canadian product labeling was used for the above chart: Dymista (November 2024), Apo-beclomethasone (March 2021), Mylan-budesonide AQ 64 mcg/spray (May 2020), Mylan-budesonide AQ 100 mcg/spray (May 2020), Omnaris (February 2021), Avamys (December 2021), Flonase Allergy Relief (July 2024), fluticasone propionate (Teva Canada, June 2017), Ipravent (January 2018), Nasonex (March 2022), Ryaltris (December 2024), Nasacort AQ (September 2022), Nasacort Allergy 24HR (August 2022).

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