





Pediatric Asthma Management

Controller medications in children 6 and under




| | | Low (step 2) | Medium (step 3) | Adverse Effects |
|---|---|---|--|---|
| Beclomethasone DP Common brand name: QVAR # doses: 200 Age group approved for use: > 5 years Strengths: 50, 100ug |  | 50 ug BID \$40 per 200 doses (\$10 - \$95) | 100 ug BID \$80 per 200 doses (\$10 - \$95) | Headache, upper respiratory tract infection, pharyn- gitis, dysphonia, oral thrush (can be reduced by rinsing mouth or using spacer device with an MDI) |
| Ciclesonide Common brand name: Alvesco # doses: 30 or 120 Age group approved for use: > 6 years Strengths: 100, 200ug |  | 100 ug DAILY \$52 per 120 doses (\$15 - \$85) | 200 ug DAILY \$86 per 120 doses (\$15 - \$85) | |
| Fluticasone propio- nate Common brand name: Flovent # doses: 120 Age group approved for use: > 1 year Strengths: 50, 125, 250ug |  | 50 ug BID \$30 per 120 doses (\$15- \$95) | 100-125 ug BID \$43 per 120 doses (\$15- \$95) | |
| Montelukast Should always be secondary to ICS (not primary line) Common brand name: Singulair Either tablets or gran- ules Age group approved for use: > 2 years Strengths: 4, 5, 10mg |  | 4 mg DAILY Chewable: \$35 - \$40 Granules: \$45 Tablet: \$60 | | Neuropsychiatric AE: irritability, aggressiveness, anxiety, sleep dis- turbance including suicidal thoughts/ actions (up to 16% of pediatric patients; typically occurred within 2 weeks of initiation) |

Controller medications in children 6-18 years old

| | | Low (step 2) | Medium (step 3) | Adverse Effects |
|---|---|---|---|---|
| Beclomethasone DP Common brand name: QVAR # doses: 200 Strengths: 50, 100ug |  | 50-100 ug BID \$40-80 per 200 doses (\$10 - \$95) | 200 ug BID | Headache, upper respiratory tract infection, pharyngitis, dysphonia, oral thrush (can be reduced by rinsing mouth or using spacer device with an MDI) |
| Ciclesonide Common brand name: Alvesco # doses: 30 or 120 Strengths: 100, 200ug |  | 100 ug DAILY \$52 per 120 doses (\$15 - \$85) | 200-400 ug DAILY \$86 per 120 doses (\$15 - \$85) | |
| Fluticasone propionate Common brand name: Flovent # doses: 120 Strengths: 50, 125, 250ug |  | 50-100 ug BID \$30 per 120 doses (\$15- \$95) | 125 ug BID \$43 per 120 doses (\$15- \$95) | |
| Fluticasone fumarate Common brand name: Arnuity # doses: 120 Strengths: 100, 200ug Elipta |  | | 100ug OD \$46 per 30 doses (\$45 - \$90) | |
| Budesonide Common brand name: Pulmicort Strengths: 100, 200, 400ug |  | 100-200ug BID \$36-74 per 200 doses (\$10 - \$95) | 200-400ug BID or 400ug DAILY \$74-107 per 200 doses (\$10 - \$95) | |

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|---|---|--|--|---|
| Mometasone Common brand name: Asmanex Strengths: 100, 200, 400ug |  | 100-200ug DAILY \$40 (\$20 - \$80) | 200ug BID or 400ug DAILY \$40-80 (\$20 - \$80)) | Headache, upper respiratory tract infection, pharyn- gitis, dysphonia, oral thrush (can be reduced by rinsing mouth or using spacer device with an MDI) |
| Montelukast Should always be secondary to ICS (not primary line) Common brand name: Singulair Either tablets or gran- ules Strengths: 4, 5, 10mg |  | 5mg if 6-14yo 10mg if ≥ 15yo Chewable: \$35 - \$40 Granules: \$45 Tablet: \$60 | | Neuropsychiatric AE: irritability, aggressiveness, anxiety, sleep dis- turbance including suicidal thoughts/ actions (up to 16% of pediatric patients; typically occurred within 2 weeks of initiation) |

Controller medications (inhaled steroid + long acting beta agonist) available for 6-18 years old

| | | Low (step 3) | Adverse Effects |
|---|---|--|---|
| *Budesonide/Formoterol Common brand name: Symbicort 100/6, 200/6 |  | 100-200ug BID, or 200-400 DAILY \$73-95 per 120 doses (\$20 - \$95) | Headache, upper respiratory tract infection, pharyngitis, dysphonia, oral thrush (can be reduced by rinsing mouth or using spacer device with an MDI) |
| Fluticasone/salmeterol Common brand name: Advair *MDI 125/25, 250/25 Diskus 100/50, 250/50, 500/50 |  | 100-125ug BID For 120 dose MDI: 125/25mcg: \$118 250/25mcg: \$168 (\$60 - \$170) For 60 dose DPI: 100/50mcg: \$46 250/50mcg: \$55 500/50mcg: \$78 (\$45 - \$80) | |
| *Mometasone/formoterol Common brand name: Zenhale 50/5, 100/5, 200/5 |  | 100ug BID 100/5mcg: \$104 200/5mcg: \$128 (\$105- \$130) | |

*Approved for use for 12yo and older