

Estimated Comparative Daily Doses for ICS by Age—July 2023

Drug Class: ICS	Age (yrs)	Low Daily Dose (mcg)	Medium Daily Dose (mcg)	High Daily Dose (mcg)	FDA Approved Age Limit
Beclomethasone HFA or DPI HFA 40 or 80 mcg/inh (Qvar Redihaler or HFA MDI)	0-4* 5-11 12+	40-80 40-160 40-480	>80-160 >160-400 >480-960	> 160 > 400 > 960	≥4 yrs old
Budesonide DPI (90 or 180 mcg/inh) (Pulmicort Flexhaler)	0-4* 5-11 12+	N/A 90 90-180	90 >90-180 >180-360	>90 > 180 > 360	≥6 yrs old
Budesonide inhaled Nebulization (child dose) 250, 500 mcg (Pulmicort inhaled Nebulization)	0-4 5-11 12+	250-500 250-500 750-1000	>500-750 >500-1000 >1000-1500	> 750 > 1000 >1500	12 months to 8 yrs old
Ciclesonide HFA 80, 160 mcg/puff (Alvesco)	0-4 5-11 12+	N/A 80 80-160	80 >80-160 >160-320	> 80 > 160 > 320	≥12 yrs old
Flunisolide HFA 80 mcg/puff (Aerospan)	0-4 5-11 12+	NA 80-160 80-320	80-160 >160-320 >320-640	>160 > 320 > 640	≥6 yrs old
Fluticasone furoate DPI 50, 100, 200 mcg/inh (Arnuity Ellipta)	0-4* 5-11 12+	NA 50 100	NA 50 100	≥ 50 ≥ 100 ≥ 200	≥5 yrs old
Fluticasone propionate HFA/MDI 44, 110 or 220 mcg/puff (Flovent HFA MDI)	0-4 5-11 12+	44 44-110 44-220	>44-110 >110-220 >220-460	> 110 > 220 > 460	≥4 yrs old
Fluticasone propionate DPI/diskus 50, 100, 250 mcg/inh (Flovent diskus)	0-4* 5-11 12+	50 50-100 100-250	>50-100 >100-200 >250-500	> 100 > 200 > 500	≥4 yrs old

Drug Class: ICS (continued)	Age (yrs)	Low Daily Dose (mcg)	Medium Daily Dose (mcg)	High Daily Dose (mcg)	FDA Approved Age Limit
Mometasone furoate HFA 50, 100, 200 mcg/puff (Asmanex HFA MDI)	0-4 5-11 12+	50 50 200-400	100 100 200-400	> 100 ≥ 200 > 400	≥12 yrs old; 5-12 yrs approved for 50 mcg use only
Mometasone furoate DPI 110, 220 mcg/inh (Asmanex Twisthaler)	0-4* 5-11 12+	NA 110 220	110 220 440	> 110 > 220 > 440	≥12 yrs old; 4-11 yrs old approved for 110 mcg use only
Drug Class: Combination	Age (yrs)	Low Daily Dose (mcg)	Medium Daily Dose (mcg)	High Daily Dose (mcg)	FDA Approved Age Limit
Budesonide-formoterol HFA 80/4.5, 160/4.5 (Symbicort HFA MDI)	0-4 5-11 12+	N/A 80-160 80-400	80-160 >160-400 >400-800	>160 >400 >800	≥6 yrs old
Fluticasone furoate/vilanterol DPI 100/25, 200/25 (Breo Ellipta)	0-4* 5-11 12+	NA NA 100	NA NA 100	NA ≥ 100 ≥ 200	≥18 yrs old
Flovent/salmeterol DPI 100/50, 250/50, 500/50 (Advair diskus)	0-4* 5-11 12+	50 50-100 100-250	>50-100 >100-200 >250-500	>100 >200 >500	≥4 yrs old
Fluticasone propionate/salmeterol HFA 45/21, 115/21, 230/21 (Advair HFA MDI)	0-4 5-11 12+	44 45-115 45-230	>44-110 >115-230 >230-460	> 110 >230 >460	≥12 yrs old
Fluticasone propionate/salmeterol Respicklick 55/14, 113/14, 232/14 (Airduo Respicklick)	0-4* 5-11 12+	55 55-113 55-232	>55-113 >113-232 >232-464	>113 >232 >464	≥12 yrs old

Questions? Please call the Asthma Center at Cincinnati Children's Hospital, Division of Pulmonary Medicine @513-636-6771



Drug Class: Combination (continued)	Age (yrs)	Low Daily Dose (mcg)	Medium Daily Dose (mcg)	High Daily Dose (mcg)	FDA Approved Age Limit
Mometasone/formoterol HFA 50/5, 100/5, 200/5 (Dulera HFA MDI)	0-4 5-11 12+	50 50 200-400	100 100 200-400	>100 >200 >400	≥12 yrs old

* Use of this product in the 0-4-year-old age group may not be developmentally appropriate, assess technique if choose to use

Adapted using doses from the Inner-City Asthma Consortium, and Box 3-12, 3-13 and Box 6-7 in GINA 2020 and updated for recent changes in drug availability and guidance.

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