

Medications used in the treatment of attention-deficit/hyperactivity disorder

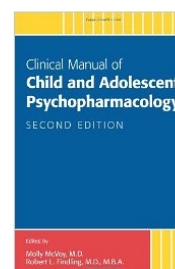


Table 2–2. Medications used in the treatment of attention-deficit/hyperactivity disorder

Medication	Duration of action	Pediatric		Adult	
		Starting dose	Typical dose	Starting dose	Typical dose
Dexmethylphenidate					
Focalin (Novartis)	6 hours ^a	2.5 mg A.M.	5 mg bid	2.5 mg bid	10 mg bid
Focalin XR (Novartis)	8–12 hours; dual pulse	5 mg A.M.	10 mg A.M.	5 mg A.M.	20 mg A.M.
D,L-Methylphenidate					
<i>Short-acting (immediate release)</i>					
Methylin Oral Solution (Shionogi)	3–5 hours	5 mg tid	10 mg tid	10 mg bid	20 mg tid
Methylin Chewable Tablets (Shionogi)		5 mg tid	10 mg tid	10 mg bid	20 mg tid
<i>Intermediate-acting</i>					
Metadate ER (Celltech)	3–8 hours	10 mg bid	30 mg A.M.	10 mg bid	80 mg A.M.
Ritalin-SR (Novartis)	Single pulse	20 mg A.M.	40 mg	20 mg A.M.	80 mg A.M.
<i>Long-acting</i>					
Metadate CD (Celltech)	8–12 hours	10 mg A.M.	30 mg A.M.	20 mg A.M.	80 mg A.M.
Concerta (McNeil)	8–10 hours; dual pulse	18 mg A.M.	36 mg A.M.	18 mg A.M.	72 mg A.M.
Ritalin LA (Novartis)	8–12 hours; ascending single pulse	10 mg A.M.	30 mg A.M.	10 mg A.M.	80 mg A.M.
Daytrana (Noven)	8–10 hours; dual pulse	10 mg patch qd × 9 hours, off 15 hours	30 mg patch qd × 9 hours, off 15 hours	10 mg patch qd × 9 hours, off 15 hours	60 mg patch qd × 9 hours, off 15 hours
Dextroamphetamine					
<i>Short-acting</i>					
Generic	4–6 hours	5 mg bid	10 mg bid	5 mg bid	15 mg bid
<i>Long-duration</i>					
Generic	6–8 hours	5 mg A.M.	15 mg A.M.	5 mg A.M.	30 mg A.M.
Dexedrine Spansule (Amedra)		5 mg A.M.	15 mg A.M.	5 mg A.M.	30 mg A.M.
Amphetamine mixed salts					
Generic	4–6 hours	5 mg bid	10 mg bid	5 mg bid	15 mg bid
Adderall (Shire)		5 mg bid	10 mg bid	5 mg bid	10 mg bid
Adderall XR (Shire)	8–10 hours; dual pulse	5 mg A.M.	30 mg A.M.	5 mg A.M.	60 mg A.M.
Lisdexamfetamine					
Vyvanse (Shire)	10–12 hours	30 mg A.M.	50 mg A.M.	30 mg A.M.	70 mg A.M.
Nonstimulants					
Atomoxetine (Strattera; Eli Lilly)	24 hours	0.5 mg/kg/day in divided doses (bid)	1.2 mg/kg/day in divided doses (bid)	40 mg/day in divided doses (bid)	100 mg/day in divided doses (bid)
Clonidine extended release (Kapvay; Shionogi)					
Guanfacine extended release (Intuniv; Shire)	24 hours	1 mg A.M.; 0.05–0.08 mg/kg/day	0.12 mg/kg/day up to 4 mg/day	1 mg/day	Up to 4 mg/day

^aLimited data.