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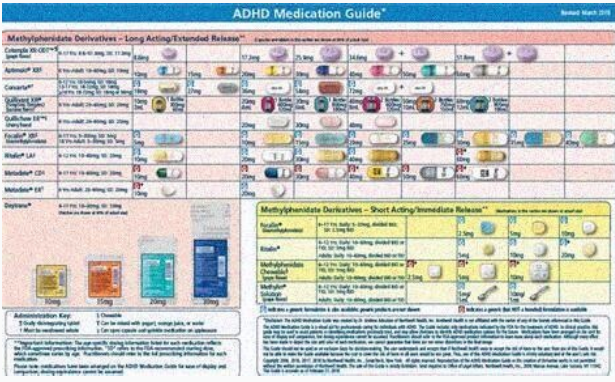

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Generic Name	Brand Name	Daily Dose	USPS Usage Schedule ^a	Common Adverse Effects
Stimulants				
Methylphenidate	Ritalin (Novartis)	0.3-2 mg/kg	2 to 4 times Once	Insomnia
	Metadate CD (Celltech)			Decreased appetite/weight loss
	Concerta (McNeil Consumer)	0.6-2 mg/kg		Possible reduction in growth velocity with chronic use
	Ritalin LA (Novartis)			
	Ritalin SR (Novartis)			
	Others			
Dexamethylphenidate	Focalin (Novartis)	0.15-1 mg/kg	2 to 4 times Once	Stomachaches
	Focalin XR (Novartis)			
Amphetamine Dextroamphetamine Mixed amphetamine salts	Dexedrine (GlaxoSmithKline)	0.3-1.5 mg/kg	Once 2 or 3 times Once	Headaches
	Adderall (Shire)			Dysphonia
	Adderall XR (Shire)			Rebound phenomena (short-acting preparations)
	Others			
	Others			
noradrenergic agents				
Atomoxetine	Strattera (Eli Lilly)	1.8 mg/kg	Once or twice	Insomnia/somnolence Dizziness Gastrointestinal upset Urinary retention
Arousal agents				
Modafinil	Provigil (Cephalon)	100-400 mg/d	Once or twice	Headache, upset stomach, insomnia
Antidepressants				
Tricyclics (TCA) Imipramine Desipramine Nortriptyline	Tofranil (Mallinckrodt); others	2-5 mg/kg	Once or twice	Dry mouth Constipation
	Norpramin (Sanofi-Aventis); others	1-3 mg/kg		Weight loss Vital sign and ECG changes
	Pamelor (Mallinckrodt); Aventyl (Eli Lilly); others			
Bupropion	Wellbutrin (GlaxoSmithKline)	3-6 mg/kg	3 times Once or twice	Irritability Insomnia
	Wellbutrin SR, XL (GlaxoSmithKline)			Risk of seizures (doses >6 mg/kg) Contraindicated in bulimics
Venlafaxine	Effexor (Wyeth)	0.5-3 mg/kg	Twice	Nausea Sedation Gastrointestinal distress
	Effexor XR (Wyeth)			
Antihypertensives				
Clonidine	Various	3-10 mcg/kg	2 or 3 times	Sedation Dry mouth Depression Confusion (high doses) Rebound hypertension Localized irritation with patch
Guanfacine	Various	30-100 mcg/kg	Twice	Similar to clonidine but less sedation Insomnia Irritability

^aDosing guidelines are not per FDA approval. ECG, electrocardiogram.

2 INDEPENDENTLY DEVELOPED BY MCGRAW-HILL PUBLISHING

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Pharmacotherapy 2018. [Epub ahead of print]; DOI: 10.1002/phar.2190 [PubMed] [CrossRef] [Google Scholar]Patrick KS, Straughn AB, Perkins JS, González MA. Evolution of stimulants to treat ADHD: Transdermal methylphenidate. Hum Psychopharmacol 24:1-17, 2009 [PMC free article] [PubMed] [Google Scholar]Pediatrics. Subcommittee on ADHD: Clinical practice guideline for the diagnosis, evaluation, and treatment of attention-deficit/hyperactivity disorder in children and adolescents. Pediatrics 128:1007-1022, 2011 [PMC free article] [PubMed] [Google Scholar]Pelham WE, Burrows-MacLean L, Gnagy EM, Fabiano GA, Coles EK, Tresco KE, Chacko A, Wymbs BT, Wienke AL, Walker KS. Transdermal methylphenidate, behavioral, and combined treatment for children with ADHD. Exp Clin Psychopharmacol 13:111, 2005 [PubMed] [Google Scholar]Pelham WE, Jr, Manos MJ, Ezzell CE, Tresco KE, Gnagy EM, Hoffman MT, Onyango AN, Fabiano GA, Lopez-Williams A, Wymbs BT. A dose-ranging study of a methylphenidate transdermal system in children with ADHD. J Am Acad Child Adolesc Psychiatry 44:522-529, 2005 [PubMed] [Google Scholar]Pelham WE, Waxmonsky JG, Schentag J, Ballow CH, Panahon CJ, Gnagy EM, Hoffman MT, Burrows-MacLean L, Meichenbaum DL, Forehand GL. Efficacy of a methylphenidate transdermal system versus tid methylphenidate in a laboratory setting. J Atten Disord 15:28-35, 2011 [PubMed] [Google Scholar]Pliszka SR, Wilens TE, Bostrom S, Arnold VK, Marraffino A, Cutler AJ, López FA, DeSousa NJ, Sallee FR, Incledon B. Efficacy and safety of HLD200, delayed-release and extended-release methylphenidate, in children with attention-deficit/hyperactivity disorder. J Child Adolesc Psychopharmacol 27:474-482, 2017 [PMC free article] [PubMed] [Google Scholar]Quinn D. Does chirality matter?: Pharmacodynamics of enantiomers of methylphenidate in patients with attention-deficit/hyperactivity disorder. J Clin Psychopharmacol 28:S62-S66, 2008 [PubMed] [Google Scholar]Robb AS, Findling RL, Childress AC, Berry SA, Belden HW, Wigal SB. Efficacy, safety, and tolerability of a novel methylphenidate extended-release oral suspension (MEROS) in ADHD. J Atten Disord 21:1180-1191, 2017 [PubMed] [Google Scholar]Sallee FR, Palumbo DR, Abbas R, Berry SA, Puthli SP, Kathala KK. Effect of food intake on the pharmacokinetics of a novel methylphenidate extended-release oral suspension for attention deficit hyperactivity disorder. Clin Pharmacol Drug Dev 6:476-483, 2017 [PubMed] [Google Scholar]Sikes C, Stark JG, McMahon R, Engelking D. Pharmacokinetics of a new amphetamine extended-release oral liquid suspension under fasted and fed conditions in healthy adults: A randomized, open-label, single-dose, 3-treatment study. Clin Ther 39:2389-2398, 2017 [PubMed] [Google Scholar]Sikes CR, McMahon RL, Stark JG, Engelking D. Pharmacokinetics of a new amphetamine extended-release oral suspension in children with attention-deficit/hyperactivity disorder. J Child Adolesc Psychopharmacol 28:29-35, 2018 [PubMed] [Google Scholar]Stark JG, Engelking D, McMahon R, Sikes C. A randomized crossover study to assess the pharmacokinetics of a novel amphetamine extended-release orally disintegrating tablet in healthy adults. Postgrad Med 128:648-655, 2016 [PubMed] [Google Scholar]Stark JG, Engelking D, McMahon R, Sikes C. Pharmacokinetics of a novel amphetamine extended-release orally disintegrating tablet in children with attention-deficit/hyperactivity disorder. J Child Adolesc Psychopharmacol 27:216-222, 2017 [PubMed] [Google Scholar]Stein MA, Waldman ID, Charney EAryal S, Sable C, Gruber R, Newcorn JH. Dose effects and comparative effectiveness of extended release dexmethylphenidate and mixed amphetamine salts. J Child Adolesc Psychopharmacol 21:581-588, 2011 [PMC free article] [PubMed] [Google Scholar]Teuscher NS, Adjei A, Findling RL, Greenhill LL, Kupper RJ, Wigal S. Population pharmacokinetics of methylphenidate hydrochloride extended-release multiple-layer beads in pediatric subjects with attention deficit hyperactivity disorder. Drug Des Devel Ther 9:2767, 2015 [PMC free article] [PubMed] [Google Scholar]Weisler RH, Greenbaum M, Arnold V, Yu M, Yan B, Jaffee M, Robertson B. Efficacy and safety of SHP465 mixed amphetamine salts in the treatment of attention-deficit/hyperactivity disorder in adults: Results of a randomized, double-blind, placebo-controlled, forced-dose clinical study. CNS Drugs 31:685-697, 2017 [PMC free article] [PubMed] [Google Scholar]Wigal S, Lopez F, Frick G, Yan B, Robertson B, Madhoo M. A randomized, double-blind, 3-way crossover, analog classroom study of SHP465 mixed amphetamine salts extended-release in adolescents with ADHD. Postgrad Med 131:212-224, 2019 [PubMed] [Google Scholar]Wigal SB, Childress A, Berry SA, Belden H, Walters F, Chappell P, Sherman N, Orazem J, Palumbo D. Efficacy and safety of a chewable methylphenidate extended-release tablet in children with attention-deficit/hyperactivity disorder. J Child Adolesc Psychopharmacol 27:690-699, 2017 [PMC free article] [PubMed] [Google Scholar]Wigal SB, Childress A, Berry SA, Belden HW, Chappell P, Wajsbrot DB, Nagraj P, Abbas R, Palumbo D. Optimization of methylphenidate extended-release chewable tablet dose in children with ADHD: Open-label dose optimization in a laboratory classroom study. J Child Adolesc Psychopharmacol 28:314-321, 2018 [PMC free article] [PubMed] [Google Scholar]Wigal SB, Nordbrock E, Adjei AL, Childress A, Kupper RJ, Greenhill L. Efficacy of methylphenidate hydrochloride extended-release capsules (Aptensio XR™) in children and adolescents with attention-deficit/hyperactivity disorder: A phase III, randomized, double-blind study. CNS Drugs 29:331-340, 2015 [PMC free article] [PubMed] [Google Scholar]Zhu H-J, Patrick KS, Yuan H-J, Wang J-S, Donovan JL, DeVane CL, Malcolm R, Johnson JA, Youngblood GL, Sweet DH. Two CES1 gene mutations lead to dysfunctional carboxylesterase 1 activity in man: Clinical significance and molecular basis. Am J Hum Genet 82:1241-1248, 2008 [PMC free article] [PubMed] [Google Scholar] Children and Adults with Attention-Deficit/Hyperactivity Disorder (CHADD)CHADD does not endorse products, services, publications, medications, or treatments, including those advertised in any CHADD publications, webinars or podcasts. © 2024 CHADD | Powered by Neon Web Studio