

## Toolbox: Psychotropic medications approved in children and adolescents

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### KEYWORDS

psychotropic, child, adolescent, pediatric

The following are charts that provide FDA-approved indications in the pediatric population

### ATTENTION-DEFICIT HYPERACTIVITY DISORDER MEDICATIONS

**Table 1. Controlled Stimulant Medications (C-II)**

Medication	Brand Name(s)	Daily Dosage Range	Notes
Methylphenidate Immediate Release (IR)	Methylin® Ritalin®	10-60 mg	Give in divided doses, second dose typically noon or early afternoon For children ≥6 years
Methylphenidate Sustained (SR)/Extended Release (ER)	Ritalin SR® Metadate SR® Methylin ER® Quillivant XR® (extended release oral suspension) Concerta® Metadate CD® Ritalin LA®	20-60 mg Concerta: 18-72 mg	Oral suspension needs to be shaken vigorously for 10 seconds Concerta®: 22% IR, 78% ER Metadate CD®: 30% IR, 70% ER Ritalin LA®: 50% IR, 50% ER For children ≥6 years
Methylphenidate Transdermal	Daytrana®	10 mg/9hour – 30 mg/9hour	Place patch 2 hours prior to desired onset; wear no longer than 9 hours; effects may last 2-3 hours after removal of patch For children ≥6 years
Dexmethylphenidate	Focalin®	5-40 mg	Give in divided doses For children ≥6 years
Dexmethylphenidate Extended Release	Focalin XR®	10-40 mg	50% IR, 50% ER For children ≥6 years
Dextroamphetamine	Liquadd® ProCentra®	2.5-40 mg	Give in divided doses For children ≥3 years
Dextroamphetamine Extended Release	Dexedrine Spansules®	4-40 mg	For children ≥3 years
Lisdexamfetamine	Vyvanse®	30-70 mg	For children ≥6 years
Amphetamine/dextroamphetamine	Adderall®	5-40 mg	Give in divided doses For children ≥3 years
Amphetamine/dextroamphetamine Extended Release	Adderall XR®	20-60 mg	50% IR, 50% ER For children ≥6 years
Methamphetamine	Desoxyn®	5-25 mg	Give in divided doses For children ≥6 years

**Table 2. Non-Controlled Medications**

Medication	Brand Name(s)	Daily Dosage Range	Notes
Atomoxetine	Strattera®	0.5 mg/kg/day- 1.4 mg/kg/day (maximum 100 mg)	Selective norepinephrine reuptake inhibitor (NRI) For children ≥6 years
Guanfacine	Intuniv™	1-4 mg	Alpha-2-adrenergic agonist For children ≥6 years
Clonidine	Kapvay™	0.1-0.4 mg	Alpha-2-adrenergic agonist For children ≥6 years

## ANTIPSYCHOTIC MEDICATIONS & MOOD STABILIZER WITH PSYCHIATRIC INDICATIONS IN CHILDREN/ADOLESCENTS

**Table 3. Second Generation Antipsychotics**

Medication	Brand Name	Daily Dosage Range	Indication (Age Range)
Aripiprazole	Abilify®	2-30 mg 2-15 mg 2-30 mg	Bipolar disorder (≥10 years) Irritability associated with autistic disorder (≥6 years) Schizophrenia (≥13 years)
Risperidone	Risperdal®	0.25-3 mg 0.5-6 mg 0.5-6 mg (3 mg does not confer additional benefit)	Autism (≥5 years) Bipolar mania (10-17 years) Schizophrenia (13-17 years)
Olanzapine	Zyprexa®	2.5-20 mg	Schizophrenia/bipolar disorder (≥13 years)
Paliperidone	Invega®	3-12 mg (above 3 mg no more benefit)	Schizophrenia (12-17 years)
Quetiapine	Seroquel®	50-600 mg 50-800 mg	Bipolar Disorder (≥10 years) Schizophrenia (≥13 years)

**Table 4. First Generation Antipsychotics**

Medication	Brand Name	Daily Dosage Range	Indication (Age Range)
Chlorpromazine	Thorazine®	0.5-1mg/kg/dose up to 200 mg	Schizophrenia/psychosis (≥6 months)
Haloperidol	Haldol®	0.5-0.15 mg/kg/day	Sedation/psychotic disorders/Tourette's disorder (3-12 years)
Pimozide	Orap®	0.05-0.2 mg/kg/day	Tourette's disorder (≥12 years)

**Table 5. Mood Stabilizer**

Medication	Brand Name	Daily Dosage Range	Indication (Age Range)
Lithium	Eskalith® (IR), Lithobid® (ER)	900-2400 mg IR 900-1800 mg ER	Bipolar disorder (≥12 years) Give in divided doses

## ANTIDEPRESSANT MEDICATIONS

**Table 6. Selective Serotonin Reuptake Inhibitors**

Medication	Brand Name	Daily Dosage Range	Indication (Age Range)
Escitalopram	Lexapro®	10-20 mg	Major depressive disorder (≥12)
Fluoxetine	Prozac®	10-20 mg 10-60 mg	Depression (8-18) Obsessive-compulsive disorder (OCD) (7-17)
Fluvoxamine	Luvox®	25-200 mg	OCD (8-17)
Sertraline	Zoloft®	25-200 mg	OCD (6-17)

**Table 7. Tricyclic Antidepressants**

Medication	Brand Name	Daily Dosage Range	Indication
Amitriptyline	Elavil®	25-100 mg	Depressive disorders (≥12)
Clomipramine	Anafranil®	25-100 mg	OCD (≥10)
Imipramine	Tofranil®	30-100 mg 25-75 mg	Depression (≥12) Enuresis (≥6)

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### How to cite this editor-reviewed article

Hieber R. Toolbox: Psychotropic medications approved in children and adolescents. *Ment Health Clin* [Internet]. 2013;2(11):344-6. Available from: <http://dx.doi.org/10.9740/mhc.n145473>