# ADHD Stimulant Medication Tables

This aid is a PDF version of the tables located at <https://ohiomindsmatter.org/health-professionals/medication-guides/stimulants>

# Methylphenidate Tables

## Methylphenidate (immediate release)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose** | **Max Dose** | **Notes** |
| Ritalin | 5 mg, 10 mg, 20 mg | 5 mg BID | 60 mg divided | - |
| Methylin chewable | 2.5 mg, 5 mg, 10 mg | 5 mg BID | 60 mg divided | - |
| Methylin liquid | 5 mg/5 ml,10 mg/5 ml | 5 mg BID | 60 mg divided | - |

## Methylphenidate extended-release capsule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose** | **Max Dose** | **Notes** |
| Ritalin LA | 10 mg, 20 mg, 30 mg, 40 mg, 60 mg | 20 mg daily | 60 mg daily | Can be opened/sprinkled |
| Metadate CD | 10 mg, 20 mg, 30 mg, 40 mg, 50 mg, 60 mg | 20 mg daily | 60 mg daily | - |

# Methylphenidate Tables - Continued

## Methylphenidate Osmotic extended-release tablet

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose** | **Max Dose** | **Notes** |
| Concerta | 18 mg, 27 mg, 36 mg, 54 mg | 18 mg daily | 54 mg (for 6-12 years)  72 mg (for age 13+) | Cannot be divided or crushed |
| Relexxii | 18 mg, 27 mg, 36 mg, 45 mg, 54 mg, 63 mg, 72 mg | 18 mg daily | 54 mg (for 6-12 years)  72 mg (for age 13+) | Cannot be divided or crushed |

## Methylphenidate multilayer extended-release capsule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose** | **Max Dose** | **Notes** |
| Aptensio XR | 10 mg, 15 mg, 20 mg, 30 mg, 40 mg, 50 mg, 60 mg | 10 mg daily | 60 mg | Can be opened/sprinkled |

# Methylphenidate Tables - Continued

## Methylphenidate extended-release liquid

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose** | **Max Dose** | **Notes** |
| Quillivant XR | 25 mg/ 5ml solution  Bottles (ml): 60 mg, 120 mg, 150 mg, 180 mg | 20 mg daily | 60 mg daily | Bottles intended to last one month  20% immediate release, 80% extended release |

## Methylphenidate extended-release chewable tablet

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose** | **Max Dose** | **Notes** |
| QuilliChew ER | 20 mg, 30 mg scored chew tabs  40 mg unscored chew tabs | 20 mg daily | 60 mg daily | 30% immediate release, 70% extended release |

## Methylphenidate extended release orally disintegrating

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose** | **Max Dose** | **Notes** |
| Cotempla XR-ODT | 8.6 mg, 17.3 mg, 25.9 mg | 17.3 mg daily | 51.8 mg daily | Orally disintegrating tab |

# Methylphenidate Tables - Continued

## Methylphenidate extended release transdermal

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose** | **Max Dose** | **Notes** |
| Daytrana | 10 mg, 15 mg, 20 mg, 30 mg | 10 mg daily | 30 mg daily | Possible adverse skin reaction/irritation due to patch  Not suitable for swimming/heavy sweating |

## Methylphenidate extended release administered at night

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose** | **Max Dose** | **Notes** |
| Jornay PM | 20 mg, 40 mg, 60 mg, 80 mg, 100 mg | 20 mg daily | 100 mg daily | Has extended release coating, administered in the evening  Start at 8pm, adjust to between 6:30-9:30 as needed, works in AM  Insomnia at higher rates (33%) than some other stimulants |

# Methylphenidate Tables - Continued

## Methylphenidate sustained release tablet

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose** | **Max Dose** | **Notes** |
| Metadate ER | 10 mg, 20 mg | 20 mg daily | 60 mg daily | Must be swallowed whole |

## Serdexmethylphenidate and dexmethylphenidate

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose** | **Max Dose** | **Notes** |
| Azstarys | 26.1 mg/ 5.2 mg, 39.2 mg/ 7.8 mg, 52.3 mg/ 10.4 mg | 26.1 mg/ 5.2 mg (Ages 6-12)  39.2 mg/ 7.8 mg (Ages 13+) | 52.3 mg/ 10.4 mg | Combination of 30% immediate release dexmethylphenidate plus 70% of serdexmethylphenidate, a dexmethylphenidate prodrug  can be opened & sprinkled |

# Dexmethylphenidate Tables

## Dexmethylphenidate (immediate release) tab

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose** | **Max Dose** | **Notes** |
| Focalin | 2.5 mg, 5 mg, 10 mg | 2.5 mg BID | 20 mg divided BID | - |

## Dexmethylphenidate extended-release capsule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose** | **Max Dose** | **Notes** |
| Focalin XR | 5 mg, 10 mg, 15 mg, 20 mg, 25 mg, 30 mg, 35 mg, 40 mg | 5 mg daily | 30 mg daily | Can be opened/sprinkled |

# Amphetamine Derivatives Tables

## Amphetamine (immediate release)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose**  **Ages 3-5** | **Starting Dose Age 6+** | **Max Dose** | **Notes** |
| Adderall (mixed amphetamine salts) | 5 mg, 7.5 mg, 10 mg, 12.5 mg, 15 mg, 20 mg (scored), 30 mg (scored) | 2.5 mg daily | 5 mg daily or BID | 40 mg divided BID | - |
| Zenzedi (d-amphetamine sulfate) | 2.5 mg, 5 mg, 10 mg, 15 mg, 20 mg, 30 mg | 2.5 mg daily | 5 mg daily or BID | 40 mg divided BID | - |
| Evekeo (d- & l- amphetamine sulfate) | 5 mg (scored), 10 mg (cross-scored) | 2.5 mg daily | 5 mg daily or BID | 40 mg divided BID | - |
| Evekeo ODT | 2.5 mg, 5 mg, 10 mg, 15 mg, 20 mg | 2.5 mg daily | 5 mg daily or BID | 40 mg divided BID | - |
| Procentra (d-amphetamine liquid) | 5 mg/5 ml | 2.5 mg daily | 5 mg daily or BID | 40 mg divided BID | - |

# Amphetamine Derivatives Tables - Continued

## Mixed Amphetamine salts extended release capsule

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose**  **Ages 3-5** | **Starting Dose Age 6+** | **Max Dose** | **Notes** |
| Adderall XR | 5 mg, 10 mg, 15 mg, 20 mg, 25 mg, 30 mg | - | 5 mg daily | 30 mg daily | Can be opened/sprinkled |
| Mydayis | 12.5 mg, 25 mg, 37.5 mg, 50 mg | - | 12.5 mg daily1 | 25 mg daily  (50 mg daily for adults) | Mydayis has a third phase of extended release, prolonging the duration of action  1 Mydayis is FDA approved for ages 13+ |

## Lisdexamfetamine (prodrug)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose**  **Ages 3-5** | **Starting Dose Age 6+** | **Max Dose** | **Notes** |
| Vyvanse - capsule | 10 mg, 20 mg, 30 mg, 40 mg, 50 mg, 60 mg, 70 mg capsule | - | 30 mg | 70 mg daily | **Capsules** can be opened and mixed with water, yogurt, or orange juice |
| Vyvanse - chewable tablet | 10 mg, 20 mg, 30 mg, 40 mg, 50 mg, 60 mg chewable tablet | - | 30 mg | 70 mg daily | - |

# Amphetamine Derivatives Tables - Continued

## Amphetamine extended release orally disintegrating

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose**  **Ages 3-5** | **Starting Dose Age 6+** | **Max Dose** | **Notes** |
| Adzenys XR-ODT | 3.1 mg, 6.3 mg, 9.4 mg, 12.5 mg, 15.7 mg, 18.8 mg | 6.3 mg daily | 18.8 mg daily | - | - |

## Amphetamine extended-release liquid

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose**  **Ages 3-5** | **Starting Dose Age 6+** | **Max Dose** | **Notes** |
| Dynavel XR | 2.5 mg/ml | - | 2.5 mg daily | 20 mg daily | - |

# Amphetamine Derivatives Tables - Continued

## Amphetamine extended-release tablet

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose**  **Ages 3-5** | **Starting Dose Age 6+** | **Max Dose** | **Notes** |
| Dynavel XR | 5 mg, 10 mg, 15 mg, 20 mg | - | 2.5 mg daily | 20 mg daily | - |

## Dextroamphetamine extended-release capsule

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Brand Names** | **Dosage Forms** | **Starting Dose**  **Ages 3-5** | **Starting Dose Age 6+** | **Max Dose** | **Notes** |
| Dexedrine Spansule | 5 mg, 10 mg, 15 mg | - | 5 mg daily or BID | 60 mg daily | Can be opened/sprinkled |

# Tips for Combining Medications

## Prescribers may consider combining medications under the following circumstances:

|  |  |
| --- | --- |
| **Circumstance:** | **Option:** |
| Partial response to stimulant or have breakthrough symptoms | Consider combining a stimulant with a non-stimulant medication |
| Child continues to experience hyperactivity/impulsivity symptoms | Add clonidine or guanfacine to a stimulant as adjunct |
| Inattention symptoms, if intolerability to stimulants with inattention symptoms as primary concern | Add atomoxetine  **Note:** Combining atomoxetine with stimulants is off label |
| Depression comorbidity | Consider adding bupropion to a stimulant as treatment for depression & potential adjunct for ADHD, although this strategy has not been well-studied |

# Common Side Effects for Stimulant Medications

Reduced appetite/weight loss, insomnia, nervousness, stomachaches, headaches, mild irritability as medicine kicks in, mild irritability as medicine wears off, mild social withdrawal, mild increases in heart rate or blood pressure

# Serious Side Effects for Stimulant Medications (Rare)

Severe mood problems, serious aggression, hallucinations, severe social withdrawal, severe tics, large increases in heart rate or blood pressure