

Comparison of formulary methylphenidate products

Drug	FDA Approved Daily Dose	Pharmacokinetics	Cost
methylphenidate Ritalin On formulary Age restrictions and QL	Max dose of 60mg daily in 2-3 divided doses	Immediate Release tablet Onset: 20-60 minutes Peak: 1-2 hours Duration of Action: 3-5 hours	Average: \$0.65/unit Average: \$33.51/Rx
Methylphenidate SR Ritalin SR On formulary—added September 2017 Age restrictions and QL	Maximum 60mg daily in 2-3 divided doses	Extended Release Tablet Onset: 60-180 minutes Peak: 4.7 hours (1.3-8.2 hrs) Duration of Action: 2-8 hours	Average: \$5.01/unit Average: \$211.47/Rx
Methylphenidate CD Metadate CD Added to formulary September 2017 Age restrictions and QL	Maximum 60mg daily. Once daily dosing	Biphasic release (30% IR and 70% ER beads) Onset: 20-60 minutes Peak: 1 st 1.5 hrs, 2 nd 4.5hrs Duration of Action: 6-8 hours High fat meal may delay early peak 1 hour increase blood levels	Average: \$4.62/unit Average: \$151.25/Rx
Methylphenidate LA Ritalin LA On formulary—Added September 2017 Age restriction and QL High fat meal may lower 2 nd peak concentration by ~25%	Maximum 60mg daily. Once daily dosing	Spheroidal Oral Drug Absorption (SODA)-50% IR and 50% ER Onset: 20-60 minutes Peak: Children: initial 1-3hrs, 2 nd peak 5-11 hours Adults: initial 1.3-4hrs, and peak 4.3 to 6.5 hours Duration of Action: 6-8 hours	Average: \$2.27/unit Average: \$130.61/Rx
Methylphenidate ER Concerta	Maximum 72mg daily. Once daily dosing.	Osmotic release Oral system (22% IR tablets coating, 78% Osmotic Release) Onset: 1-2 hours Peak: 1 st 1-2 hours, 2 nd 6-8 hours Duration of Action: 8-12 hours	Average: \$6.21/unit Average: \$196.74/Rx