

**Table 2. First Line Drugs**

Drug	Dose in mg/kg (Maximum Dose)						Adverse Reactions	Comments
	Daily		2 Times/Week*		3 Times/Week*			
<b>Isoniazid</b>	<i>Children</i> 10-20  (300 mg)	<i>Adults</i> 5  (300 mg)	<i>Children</i> 20-40  (900 mg)	<i>Adults</i> 15  (900 mg)	<i>Children</i> 20-40  (900 mg)	<i>Adults</i> 15  (900 mg)	Hepatic enzyme elevation Hepatitis Peripheral neuropathy Central nervous system (mild) Drug interactions	Hepatitis risk increases with age and alcohol consumption Pyridoxine can prevent peripheral neuropathy
<b>Rifampin</b>	<i>Children</i> 10-20  (600 mg)	<i>Adults</i> 10  (600 mg)	<i>Children</i> 10-20  (600 mg)	<i>Adults</i> 10  (600 mg)	<i>Children</i> 10-20  (600 mg)	<i>Adults</i> 10  (600 mg)	GI upset Drug interactions Hepatitis Bleeding problems Flu-like symptoms Rash	Significant interactions with -methadone -birth control pills -many other drugs Colors body fluids orange May permanently discolor soft contact lenses
<b>Rifabutin</b>	<i>Children</i> –	<i>Adults</i> 5  (300 mg)	<i>Children</i> –	<i>Adults</i> 5  (300 mg)	<i>Children</i> –	<i>Adults</i> 5  (300 mg)	Rash Hepatitis Fever Thrombocytopenia With increased levels: Arthralgias, uveitis, leukopenia	Significant interactions with -methadone -birth control pills -many other drugs Colors body fluids orange May permanently discolor soft contact lenses

<b>Rifapentine**</b>	<i>Children</i> —	<i>Adults</i> —	<i>Children</i> —	<i>Adults</i> —	<i>Children</i> —	<i>Adults</i> —	Rash Hepatitis Fever Thrombocytopenia	Significant interactions with -methadone -birth control pills -many other drugs Colors body fluids orange May permanently discolor soft contact lenses
<b>Pyrazinamide</b>	<i>Children</i> 15-30  (2 g)	<i>Adults</i> 15-30  (2 g)	<i>Children</i> 50-70  (4 g)	<i>Adults</i> 50-70  (4 g)	<i>Children</i> 50-70  (3 g)	<i>Adults</i> 50-70  (3 g)	Hepatitis Rash GI upset Joint aches Hyperuricemia Gout (rare)	Treat hyperuricemia only if patient has symptoms
<b>Ethambutol</b>	<i>Children</i> 15-25	<i>Adults</i> 15-25	<i>Children</i> 50	<i>Adults</i> 50	<i>Children</i> 25-30	<i>Adults</i> 25-30	Optic neuritis	Not recommended for children too young to be monitored for changes in vision unless tuberculosis is drug resistant
<b>Streptomycin</b>	<i>Children</i> 20  (1 g)	<i>Adults</i> 15  (1 g)	<i>Children</i> 25-30  (1.5 g)	<i>Adults</i> 25-30  (1.5 g)	<i>Children</i> 25-30  (1.5 g)	<i>Adults</i> 25-30  (1.5 g)	Ototoxicity Renal toxicity	Avoid or reduce dose in adults > 60 years old

Notes: Children = 12 years old. Adjust weight-based dosages as weight changes.

\*All regimens administered 2 or 3 times a week should be used with directly observed therapy (DOT)

\*\*Rifapentine is dosed once weekly at 10 mg/kg (max 900 mg daily) during the continuation phase, only.

Source. Adapted from reference #7