

Appendix D: TB Drug Dosing Tables

Definitions:

- Adults: Persons of ages 18 years or greater.
- Children: Persons of ages 17 years or less.
- Twice weekly: To be administered on a Monday/Thursday, Tuesday/Friday, or Monday/Friday schedule
- Thrice weekly: To be administered Monday/Wednesday/Friday or Tuesday/Thursday/Saturday
- For drugs not listed here, contact TB Medical Consultant for dosing

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ISONIAZID

Isoniazid:

Pediatric daily dosing (10-20 mg/kg po [up to 300 mg])

Scored tablets: 100mg and 300mg

Syrup: 10mg/mL (may cause diarrhea due to sorbitol. Shake well)

Kg	lbs.	Dosage (mg qd)
3.3 – 4.9	7.3-12	50
5.0-7.4	13-17	75
7.5-9.9	18-22	100
10-14	23-33	150
15-19	34-44	200
20-24	45-55	250
≥25kg	≥56	300

Isoniazid:

Pediatric twice- or three-times-weekly dosing (20-40 mg/kg po [up to 900 mg])

Children: **INH** twice a week dosage (20-30 mg/kg)

Kg	lbs	Dosage (mg biw)
3.3 -4.9	5.5-12	100
5.0-7.4	13-17	150
7.5-9.9	18-22	200
10-14	23-33	300
15-22.4	34-50	450
22.5-30	51-66	600
30-37.4	67-83	750
≥37.5	≥84	900

Isoniazid:**Adult daily dosing (5 mg/kg po [up to 300 mg])**

Wt range (kg)	Wt range (lb)	Daily Dose (mg)
<48	<105	consult physician
≥49	≥105	300

Isoniazid:**Adult twice- and thrice-weekly dosing (15 mg/kg po [up to 900 mg])**

kg	Lbs	No. Tablets (300mg)	Dosage (mg biw)
<40	<88		consult physician
40-44	88-100	2	600mg
45-54	101-121	2 1/2	750mg
≥55	122-	3	900mg

Isoniazid:**Adult once-weekly dosing (15 mg/kg po [up to 900 mg]--only for use in tandem with rifapentine)**

Kg	Lbs	No. Tablets (300mg)	Dosage (mg biw)
<40	<88		consult physician
40-44	88-100	2	600mg
45-54	101-121	2 ½	750mg
≥55	122-	3	900mg

RIFAMYCINS

Rifampin:

Pediatric daily and twice- or thrice-weekly dosing (10-20 mg/kg po [up to 600 mg])

Capsules: 150mg and 300mg

Syrup: formulated in syrup from capsules (stability is very questionable—generally not recommended). When syrup is used, keep refrigerated and shake well; limit supply to 7 days at a time.

Kg	lbs.	Daily or Twice-weekly Dose (mg)
2.5 – 4.9	5.5-12	50
5-7	13-16	100
8-14	17-33	150
15-24	34-55	300
25-44	55-100	450
≥45 kg	100-	600

Rifampin:

Adult daily and twice- or thrice-weekly dosing (10 mg/kg po [up to 600 mg])

Wt range (kg)	Wt range (lb)	Daily or Twice-weekly Dose (mg)
<40	<88	consult physician
40-48	88-105	450
>48	>105	600

Rifabutin: consult physician

Rifapentine:

Weekly dosing (10mg/kg po [up to 900mg]) for use in tandem with isoniazid during continuation phase of treatment for active disease or for treatment of latent TB

Weight (kg)	Dose (mg/dose given once weekly)
<10kg	Generally contraindicated; consult physician
10.0–14.0	300 mg
14.1–25.0	450 mg
25.1–32.0	600 mg
32.1–49.9	750 mg
≥50.0	900 mg

PYRAZINAMIDE

Children: PZA daily dosage (15-30 mg/kg)

Scored tablets: 500mg

kg	Lbs	Dosage (mg qd)
4-8	9-19	125
9-17	20-38	250
18-33	39-73	500
34-44	74-97	750
45-50	98-110	1000
50-62	111 - 137	1250
63-75	138 - 165	1500
76-87	166 - 192	1750
≥88	≥193	2000

PZA: Twice- or thrice-weekly for children: consult physician

Adult: PZA daily dosage (15 – 30mg/kg; Max 2 gm)

Weight (kg)	Weight (lbs)	No. Tablets (500mg)	dosage (mg qd)
<40	<88		consult physician
40-55	88-122	2	1000
56-75	123-165	3	1500
≥76	≥166	4	2000

Adult: PZA thrice-weekly dosage

Weight (kg)	Weight (lbs)	No. Tablets (500mg)	dosage (mg qd)
<40	<88		consult physician
40-55	88-122	3	1500
56-75	123-165	5	2500
≥76	≥166	6	3000

Adult: PZA Twice-weekly dosage

Weight (kg)	Weight (lbs)	No. Tablets (500mg)	dosage (mg qd)
<40	<88		consult physician
40-55	88-122	4	2000
56-75	123-165	6	3000
≥76	≥166	8	4000

ETHAMBUTOL

Children Ethambutol daily dosage (15-20 mg/kg)

Tablets: 100 mg and 400 mg

Kg	lbs.	Dosage (mg qd)
3.3-5	7-10	75
5-6.7	11-15	100
6.8-9.9	16-22	150
10-13.3	23-30	200
13.4- 14.9	31-33	250
15-19	34-44	300
20-26	45-57	400
27-33	58-73	600
34-40	74-88	800
≥40	≥89	consult physician

Ethambutol twice or thrice weekly for children: call physician

Adult Ethambutol daily dosage (15 – 25 mg/kg)

Weight (kg)	Weight (lbs)	No. Tablets (400mg)	dosage (mg qd)
<40	<88		consult physician
40-55	88-122	2	800
56-75	123-165	3	1200
≥76	≥166	4	1600

Adult Ethambutol thrice-weekly dosage

Weight (kg)	Weight (lbs)	No. Tablets (400mg)	dosage (mg qd)
<40	<88		consult physician
40-55	88-122	3	1200
56-75	123-165	5	2000
≥76	≥166	6	2400

Adult Ethambutol twice-weekly dosage

Weight (kg)	Weight (lbs)	No. Tablets (400mg)	dosage (mg qd)
<40	<88		consult physician
40-55	88-122	5	2000
56-75	123-165	7	2800
≥76	≥166	10	4000

PYRIDOXINE

Pyridoxine:

Dosing in concert with isoniazid

For children >50kg and adults, when isoniazid is given intermittently, give pyridoxine for daily self-administration)

Age group	Dose (mg po)
Children <12 kg	6.25 mg every other day
Children <12-25 kg	12.5 mg every other day
Children 25-50 kg	25 mg every other day
Children >50 kg and adults	50 mg daily

Pyridoxine:

Dosing in concert with twice weekly isoniazid for

- **children <50kg, or**
- **adults and children >50kg who cannot be relied upon to take the pyridoxine daily by self-administration:**

Age group	Dose (mg po with each dose of isoniazid)
Children <25 kg	12.5 mg
Children 25-50 kg	25 mg
Children >50 kg and adults	50 mg