MDR-TB Weight-Based Dosing Chart for Children

	Group 1: Oral first-line anti-TB drugs			Group 2:	2: Group 3: Fluoroquinolones				Group 4: Oral bacteriostatis agents				Group 5:					
	Ethan	nbutol	Pyrazi	namide	Injectable	Levofl	oxacin	Moxifle	oxacin	Ofloxacin	Cycloserine	e/Terizidone	P	AS	Protionamide/ Ethionamide	Anti-TB	Isoniazid High Dose	
Target Dose	(15-25	(15-25 mg/kg)		(30-40 mg/kg)		anti-TB drugs (injectable		(7.5-10 mg/kg) (15-20		(15-20 mg/kg)	(15-20 mg/kg)		(150-200 mg/kg)		(15-20 mg/kg)	drugs with unclear efficacy or	(15-20 mg/kg)	Target Dose
Available Formulations	100 mg tablet	Suspend 400mg tab in 8 mL of water for a 50 mg/mL suspension	400 mg tablet	500 mg tablet	agents or parental agents)	250 mg tablet	25 mg/mL suspension	400 mg tablet	20 mg/mL suspension	200 mg tablet	250 mg capsule	1 capsule in 10 mL water	Daily	Twice Daily	250 mg tablet	unclear role in MDR-TB treatment	100 mg tablet	Available Formulations
Wt (kg)	Consult with a clinician experienced in pediatric MDR-LB prescribing for peopates (<28 days of age) and infants weighing <3 kg ———————————————————————————————————											Wt (kg)						
3-3.9 4-4.9			.25 tab	.25 tab	To illustrate dose	.25 tab	2.5 mL		1.5 mL 2 mL		.25 cap	2.5 mL	500 mg	250 mg	.25 tab	Group 5 drugs	.5 tab	3-3.9
5-5.9	1 tab	2 mL		.25 tab	calculation, take the example of a child that				2 IIIL	.5 tab			1000 mg	500 mg		are not recommended by the WHO for		5-5.9
6-6.9 7-7.9			.5 tab		weighs 6.9 kg. Both the low	.5 tab	5.0 mL	not	2.5 mL		.5 cap	5 mL	1500 mg	750 mg	.5 tab	routine use in MDR-TB	1 tab	6-6.9 7-7.9
8-8.9 9-9.9				.5 tab	and high doses for the child's weight are			recommended					, and the second	, and the second		treatment because their contribution to		8-8.9 9-9.9
10-10.9	2 tabs	4 mL			calculated. For kanamycin:	.75 tab	7.5 mL				.75 cap	7.5 mL	2000 mg	1000 mg	.75 tab	the efficacy of MDR regimens is unclear.	2 tabs	10-10.9
11-11.9 12-12.9			1 tab		Low dose: 15 mg/kg x 6.9 kg				5 mL	1 tab			2000 mg	i rood mg		Their role in pediatric MDR-	2 1000	11-11.9 12-12.9
13-13.9	2 tobo	C mal			= 103 mg High dose: 30 mg/kg x 6.9 kg -	1 to b	40 ml				4	1	2500	10E0 m a	1 tab	TB treatment is even less clear. Most of these		13-13.9
14-14.9 15-15.9	3 tabs	6 mL		1 tab	207 mg A convenient	1 tab	10 mL				1 cap	1 cap	2500 mg	1250 mg	i tab	drugs are expensive, and		14-14.9 15-15.9
16-16.9 17-17.9					dosing is then chosen between the				7.5 mL							some require intravenous administration,	3 tabs	16-16.9 17-17.9
18-18.9			1.5 tabs	os	two numbers.			7.02	1.5 tabs			3000 mg	1500 mg		and/or have severe side effects.		18-18.9	
19-19.9 20-20.9					Select a dose between the two numbers	1.5 tabe	15 mL				1.5 caps	15 caps			1.5 tabs	However, they can be used in		19-19.9 20-20.9
21-21.9 22-22.9	4 tabs	8 mL		1.5 tabs	and towards the higher number. In this case.		15 IIIL	.5 tab	10 mL	2 tabs	1.5 Caps	os 15 caps			1.5 tabs	cases where adequate regimens are		21-21.9 22-22.9
23-23.9			2 tabs		choose: 200 mg per day, single dose. Calculate the							4000 mg	2000 mg		impossible to design with the	4 tabs	23-23.9	
24-24.9 25-25.9																medications from Groups 1- 4. They should		24-24.9 25-25.9
26-26.9 27-27.9					number of mL to draw u pin the	2 tabs	20 mL				2 caps	20 mL	5000 mg	5000 mg	2 tabs	be used in consultation		26-26.9 27-27.9
28-28.9	5 tabs	10 mL	2.5 tabs	2 tabs	syringe based on the mg/mL concentration of	Z labs	20 IIIL		12.5 mL	2.5 tabs	z caps	20 IIIL			2 (a)5	with an expert in the treatment of DR-TB.	5 tabs	28-28.9
29-29.9					the preparation.	or proventiv	o rogimono	concult with	ovporto ro	garding optir	nal ragiman	construction	6000 mg	6000 mg		3. 5 5.		29-29.9

For preventive regimens, consult with experts regarding optimal regimen construction.

The doses of isoniazid, ethambutol, and fluoroguinolones for preventive regimens are the same as in this dosing chart.

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Group 2	Steptomycin	Amikacin	Kanamycin	Capreomycin	
Daily Dose	20-40 mg/kg once daily	15-20 mg/kg once daily	15-20 mg/kg once daily	15-20 mg/kg once daily	
Maximum Daily Dose	1000 mg	1000 mg	1000 mg	1000 mg	

Group 5	Clofazimine (CFZ)	Amoxicillin-clavulanate (AMX-CLV)	Meropenem (MPN)	Linezolid (LZD)	Clarithromycin (CLR)	
Daily Dose	2-3 mg/kg once daily; if the child is <25kg give 100mg every second day	80 mg/kg in two divided doses based on the amoxicillin component	20-40 mg/kw IV every 8 hours	10 mg/kg dose twice daily for children <10 years of age 300 mg daily for children >10 years of age (also give vitamin B6)	7.5 mg/kg twice daily	
Maximum Daily Dose	200 mg	4000 mg amoxicillin and 500 mg clavulanate	6000 mg	600 mg	1000 mg	