

# MINISTRY OF HEALTH

## REGIMEN FOR TREATMENT OF TB IN CHILDREN



TB disease category	Recommended regimen	
	Intensive phase	Continuation phase
All forms of TB (Except TB meningitis and TB of the bone and joints)	2 months RHZE	4 months RH
TB meningitis TB of the bones and joints	2 months RHZE	10 months RH
Drug resistant TB	Refer to a DR TB specialist and inform CTLC	

R= Rifampicin H= Isoniazid Z= Pyrazinamide E= Ethambutol

For previously treated children who present with symptoms of TB within two years of completing anti-TB treatment, evaluate for drug resistant TB, progressive HIV disease or other chronic lung disease. Make every effort to diagnose the child and manage as per the algorithm for TB diagnosis

**Ethambutol is safe and can be used in children in doses not exceeding 25mg/kg/day**

### DOSAGES FOR PAEDIATRIC TB TREATMENT (IMPROVED FORMULATIONS) DOSAGES FOR A CHILD UP TO 3.9KGS

Weight band (Kgs)	Number of Tablets				
	Intensive Phase			Continuation Phase	
	RHZ (75/50/150mg)	E(100mg)	How to reconstitute the medicines	RH(75/50mg)	How to reconstitute the medicines
Less than 2kg	1/4	1/4	Dissolve <b>one (1)</b> tablet of RHZ in <b>20 ml</b> of safe drinking water. Once fully dissolved, add the completely crushed <b>one (1)</b> tablet of Ethambutol and give <b>5ml (1/4)</b> of this solution measured with a syringe	1/4	Dissolve <b>one (1)</b> tablet of RH in <b>20 ml</b> of safe drinking water. Once fully dissolved, give <b>5ml (1/4)</b> of this solution measured with a syringe
2-2.9	1/2	1/2	Dissolve <b>one (1)</b> tablet of RHZ in <b>20 ml</b> of safe drinking water. Once fully dissolved, add the completely crushed <b>one (1)</b> tablet of Ethambutol and give <b>10ml (1/2)</b> of this solution measured with a syringe	1/2	Dissolve <b>one (1)</b> tablet of RH in <b>20 ml</b> of safe drinking water. Once fully dissolved, give <b>10ml (1/2)</b> of this solution measured with a syringe
3-3.9	3/4	3/4	Dissolve <b>one (1)</b> tablet of RHZ in <b>20 ml</b> of safe drinking water. Once fully dissolved, add the completely crushed <b>one (1)</b> tablet of Ethambutol and give <b>15ml (3/4)</b> of this solution measured with a syringe	3/4	Dissolve <b>one (1)</b> tablet of RH in <b>20 ml</b> of safe drinking water. Once fully dissolved, give <b>15ml (3/4)</b> of this solution measured with a syringe

Ethambutol is not dispersible. Crush it completely before adding to the prepared solution of RHZ during the intensive phase

**After giving the child their dose for the day, discard the rest of the solution. Prepare a fresh solution every day**

### DOSAGES FOR A CHILD BETWEEN 4 - 25KGS

Weight band (Kgs)	Number of Tablets				
	Intensive Phase			Continuation Phase	
	RHZ (75/50/150mg)	E(100mg)	How to reconstitute the medicines	RH(75/50mg)	How to reconstitute the medicines
4 - 7.9	1	1	Dissolve the tablet(s) of RHZ in <b>20 ml</b> of safe drinking water. Once fully dissolved, add the completely crushed tablet(s) of Ethambutol and give <b>ALL</b> of this solution to the child	1	Dissolve the tablet(s) of RH in <b>20 ml</b> of safe drinking water. Once fully dissolved give <b>ALL</b> of this solution to the child
8 - 11.9	2	2		2	
12 - 15.9	3	3		3	
16 - 24.9	4	4		4	
25kg and above	Use adult dosages and preparations				

### DOSAGES FOR A CHILD ABOVE 25KGS: ADULT FORMULATION DOSAGES TABLE

Weight band (Kgs)	Number of tablets	
	Intensive Phase	Continuation Phase
	RHZE (150/75/400/275mg)	RH(150/75mg)
25 - 39.9	2	2
40 - 54.9	3	3
55kg and above	4	4

### PYRIDOXINE (VITAMIN B6) DOSING FOR CHILDREN ON TB TREATMENT

Weight band (Kgs)	Dose in mg	Number of 25mg tablets	Number of 50mg tablets
Less than 5	6.25	Half a tablet 3 TIMES PER WEEK	Not suitable for young infant
5.0 - 7.9	12.5	Half a tablet daily	Half of 50mg tablet 3 TIMES PER WEEK
8.0 - 14.9	25	One tablet daily	Half of 50mg tablet daily
15kg and above	50	Two tablets daily	One 50mg tablet daily

