

ANNEX 2

Weight-based dosing of drugs for adults

The table below shows the suggested dosing of antituberculosis drugs for adults based on body weight. For paediatric doses, see Chapter 9, section 9.5. While antituberculosis drugs are traditionally grouped into first-line and

drug efficacy and drug properties (or drug classes). Detailed information on drug groups 1–4 is given in Annex 1.

Weight-based dosing of antituberculosis drugs in the treatment of drug-resistant TB

MEDICATION (DRUG ABBREVIATION), (COMMON PRESENTATION)	WEIGHT CLASS			
	<33 KG	33–50 KG	51–70 KG	>70 KG (ALSO MAXIMUM DOSE)
GROUP 1: FIRST-LINE ORAL ANTITUBERCULOSIS DRUGS				
Isoniazid (H) (100, 300 mg)	4–6 mg/kg daily or 8–12 mg 3 x wk	200–300 mg daily or 450–600 mg 3 x wk	300 mg daily or 600 mg 3 x wk	300 mg daily or 600 mg 3 x wk
Rifampicin (R) (150, 300 mg)	10–20 mg/kg daily	450–600 mg	600 mg	600 mg
Ethambutol (E) (100, 400 mg)	25 mg/kg daily	800–1200 mg	1200– 1600 mg	1600– 2000 mg
Pyrazinamide (Z) (500 mg)	30–40 mg/kg daily	1000–1750 mg	1750– 2000 mg	2000– 2500 mg
GROUP 2: INJECTABLE ANTITUBERCULOSIS DRUGS				
Streptomycin (S) (1 g vial)	15–20 mg/kg daily	500–750 mg	1000 mg	1000 mg
Kanamycin (Km) (1 g vial)	15–20 mg/kg daily	500–750 mg	1000 mg	1000 mg
Amikacin (Am) (1 g vial)	15–20 mg/kg daily	500–750 mg	1000 mg	1000 mg
Capreomycin (Cm) (1 g vial)	15–20 mg/kg daily	500–750 mg	1000 mg	1000 mg

MEDICATION (DRUG ABBREVIATION), (COMMON PRESENTATION)	WEIGHT CLASS			
	<33 KG	33–50 KG	51–70 KG	>70 KG (ALSO MAXIMUM DOSE)
GROUP 3: FLUOROQUINOLONES				
Ofloxacin (Ofx) (200, 300, 400 mg)	15–20 mg/kg daily	800 mg	800 mg	800–1000 mg
Levofloxacin (Lfx) (250, 500 mg)	7.5–10 mg/kg daily	750 mg	750 mg	750–1000 mg
Moxifloxacin (Mfx) (400 mg)	7.5–10 mg/kg daily	400 mg	400 mg	400 mg
GROUP 4: ORAL BACTERIOSTATIC SECOND-LINE ANTITUBERCULOSIS DRUGS				
Ethionamide (Eto) (250 mg)	15–20 mg/kg daily	500 mg	750 mg	750–1000 mg
Protionamide (Pto) (250 mg)	15–20 mg/kg daily	500 mg	750 mg	750–1000 mg
Cycloserine (Cs) (250 mg)	15–20 mg/kg daily	500 mg	750 mg	750–1000 mg
Terizidone (Trd) (300 mg)	15–20 mg/kg daily	600 mg	600 mg	900 mg
<i>P</i> -aminosalicylic acid (PAS) (4 g sachets)	150 mg/kg daily	8 g	8 g	8–12 g
Sodium PAS	Dosing can vary with manufacture and preparation: check dose recommended by the manufacturer.			
Thioacetazone (Thz) Usual dose is 150 mg for adults				
GROUP 5: AGENTS WITH UNCLEAR ROLE IN DR-TB TREATMENT (NOT RECOMMENDED BY WHO FOR ROUTINE USE IN MDR-TB PATIENTS). OPTIMAL DOSES FOR DR-TB ARE NOT ESTABLISHED				
Clofazimine (Cfz)	Usual adult dose is 100 mg to 300 mg daily. Some clinicians begin at 300 mg daily and decrease to 100 mg after 4 to 6 weeks.			
Linezolid (Lzd)	Usual adult dose is 600 mg twice daily. Most reduce the dose to 600 mg once a day after 4 to 6 weeks to decrease adverse effects.			
Amoxicillin/ Clavulanate (Amx/Clv)	875/125 mg twice a day or 500/125 mg three times a day. Dosages of 1000/250 have been used but adverse side-effects may limit this dosing.			
Thioacetazone (Thz)	Usual adult dose is 150 mg			
Imipenem/cilastatin (Ipm/Cln)	Usual adult dose is 500–1000 mg IV every 6 hours.			
Clarithromycin (Clr)	Usual adult dose is 500 mg twice daily			
High-dose isoniazid (High-dose H)	16–20 mg/kg daily			