

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 second-line drugs, the drugs in the table are divided into five groups based on drug efficacy and drug properties (or drug classes).

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				
<i>Isoniazid (H)</i> (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
<i>Rifampicin (R)</i> (150, 300 mg)	10–20 mg/kg daily	450–600 mg	600 mg	600 mg
<i>Ethambutol (E)</i> (100, 400 mg)	25 mg/kg daily	800–1200 mg	1200– 1600 mg	1600– 2000 mg
<i>Pyrazinamide (Z)</i> (500 mg)	30–40 mg/kg daily	1000–1750 mg	1750– 2000 mg	2000– 2500 mg
GROUP 2: INJECTABLE ANTITUBERCULOSIS DRUGS				
<i>Streptomycin (S)</i> (1 g vial)	15–20 mg/kg daily	500–750 mg	1000 mg	1000 mg
<i>Kanamycin (Km)</i> (1 g vial)	15–20 mg/kg daily	500–750 mg	1000 mg	1000 mg
<i>Amikacin (Am)</i> (1 g vial)	15–20 mg/kg daily	500–750 mg	1000 mg	1000 mg
<i>Capreomycin (Cm)</i> (1 g vial)	15–20 mg/kg daily	500–750 mg	1000 mg	1000 mg

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

MEDICATION (DRUG ABBREVIATION), (COMMON PRESENTATION)	WEIGHT CLASS			
	<33 KG	33–50 KG	51–70 KG	>70 KG (ALSO MAXIMUM DOSE)
GROUP 3: FLUOROQUINOLONES				
<i>Ciprofloxacin (Cfx)</i> (250, 500, 750 mg)	20–30 mg/ kg daily	1500 mg	1500 mg	1500 mg
<i>Ofloxacin (Ofx)</i> (200, 300, 400 mg)	Usual adult dose for MDR-TB is 800 mg	800 mg	800 mg	800–1000 mg
<i>Levofloxacin (Lfx)</i> (250, 500 mg)	Usual adult dose for MDR-TB is 750 mg	750 mg	750 mg	750–1000 mg
<i>Moxifloxacin (Mfx)</i> (400 mg)	Usual adult dose for MDR-TB is 400 mg	400 mg	400 mg	400 mg
<i>Gatifloxacin (Gfx)</i> (400 mg)	Usual adult dose for MDR-TB is 400 mg	400 mg	400 mg	400 mg
GROUP 4: ORAL BACTERIOSTATIC SECOND-LINE ANTITUBERCULOSIS DRUGS				
<i>Ethionamide (Eto)</i> (250 mg)	15–20 mg/kg daily	500 mg	750 mg	750–1000 mg
<i>Protionamide (Pto)</i> (250 mg)	15–20 mg/kg daily	500 mg	750 mg	750–1000 mg
<i>Cycloserine (Cs)</i> (250 mg)	15–20 mg/kg daily	500 mg	750 mg	750–1000 mg
<i>Terizidone (Trd)</i> (300 mg)	15–20 mg/kg daily	600 mg	600 mg	900 mg
<i>P-aminosalicylic acid (PAS)</i> (4 g sachets)	150 mg/kg daily	8 g	8 g	8 g
<i>Sodium PAS</i>	Dosing can vary with manufacture and preparation: check dose recommended by the manufacturer.			
<i>Thioacetazone (Th)</i>	Usual dose is 150 mg for adults			
GROUP 5: AGENTS WITH UNCLEAR EFFICACY (NOT RECOMMENDED BY WHO FOR ROUTINE USE IN MDR-TB PATIENTS)				
<i>Clofazimine (Cfz)</i> , <i>Amoxicillin/Clavulanate (Amx/Clv)</i> , <i>Clarithromycin (Clr)</i> , <i>Linezolid (Lzd)</i> . Efficacy and dosing in the treatment of drug-resistant TB not fully determined.				
Detailed information on each drug is given in Annex 1.				