

# PHC Chapter 23: Standard paediatric dosing tables

Different conditions require different dosaging of medication. In children most conditions can use standardised doses. The weight-band dosing tables below are standardised doses of a medicine **for children** for specific conditions (indicated above each table). Where a specific condition is not indicated below, see the main text of the book for the dosing specific to that condition.

## ABACAVIR

### 1.6 Management of HIV-infected children

- Abacavir, oral, 8 mg/kg 12 hourly or 16 mg/kg daily. (see Annexure A)

## ACICLOVIR

### 1.4 Herpes simplex infections of the mouth and lips; 5.13 Herpes simplex.

- Aciclovir, oral, 250 mg/m<sup>2</sup>/dose, 8 hourly for 7 days.

Weight kg	Dose mg	Use one of the following:			Age Months/years
		Susp 200 mg/5mL	Tablet		
			200 mg	400 mg	
>3.5–5 kg	50 mg	1.25 mL	–	–	>1–3 months
>5–7 kg	80 mg	2 mL	–	–	>3–6 months
>7–11 kg	100 mg	2.5 mL	½ tablet	–	>6–18 months
>11–14 kg	120 mg	3 mL	–	–	>18 months–3 years
>14–25 kg	160 mg	4 mL	–	–	>3–7 years
>25–35 kg	200 mg	5 mL	1 tablet	½ tablet	>7–11 years
>35 kg–65 kg	300 mg	7.5 mL	1½ tablets	–	>11–15 years
>55 kg	400 mg	–	–	1 tablet	>15 years

## ACTIVATED CHARCOAL

### 21.3.3 Exposure to poisonous substances.

- Activated charcoal, 1 g/kg mixed as a slurry with water.

Weight kg	Dose g	Age Months/years
>3.5–7 kg	5 g	>1–6 months
>7–11 kg	10 g	>6–18 months
>11–17.5 kg	15 g	>18 months–5 years
>17.5–35 kg	25 g	>5–11 years
>35–55 kg	50 g	>11–15 years
>55 kg	50–100 g	>15 years

## AMOXICILLIN

### 3.2.1.1 Complicated severe acute malnutrition (SAM)-use as a single dose; 10.8 Measles (initial dose for measles with pneumonia, then refer); 17.3.4.1: Pneumonia in children; 19.4.2: Otitis media, acute.

- Amoxicillin, oral, 45 mg/kg/dose, 12 hourly for 5 days.

Weight kg	Dose mg	Use one of the following:				Age Months/years
		Syrup mg/ 5mL		Capsule mg		
		125	250	250	500	
>3.5–5 kg	175 mg	7 mL	3.5 mL	–	–	>1–3 months
>5–7 kg	250 mg	10 mL	5 mL	–	–	>3–6 months
>7–11 kg	375 mg	15 mL	7.5 mL	–	–	>6–18 months
>11–14 kg	500 mg	–	10 mL	2	1	>18 months–3 years
>14–17.5 kg	750 mg	–	15 mL	3	–	>3–5 years
>17.5–25 kg	1000 mg	–	20 mL*	4	2	>5–7 years
>25–30 kg	1250 mg	–	25 mL*	5	–	>7–10 years
>30 kg	1500 mg	–	–	6	3	>10 years

## STANDARD PAEDIATRIC DOSING TABLES

### ATROPINE

21.1.3 Bradycardia; 21.3.3 Exposure to poisonous substances.

- Atropine, IV, 0.05 mg/kg/dose.

Weight kg	Dose mg	Use one of the following injections (intravenously)		Age months/years
		0.5 mg/mL	1 mg/mL	
>3.5–5kg	0.2 mg	0.4 mL	0.2 mL	>1–3 months
>5–7 kg	0.3 mg	0.6 mL	0.3 mL	>3–6 months
>7–9 kg	0.4 mg	0.8 mL	0.4 mL	>6–12 months
>9–11 kg	0.5 mg	1 mL	0.5 mL	>12–18 months
>11–14 kg	0.6 mg	1.2 mL	0.6 mL	>18 months–3 years
>14–17.5 kg	0.8 mg	1.6 mL	0.8 mL	>3–5 years
>17.5 kg	1 mg	2 mL	1 mL	>5 years

### AZITHROMYCIN

11.1.1 Dental abscess; 4.9 Rheumatic fever, acute; 5.4.1 Boil, abscess; 5.4.2 Impetigo; 5.4.3 Cellulitis; 5.8.2 Eczema, acute, moist or weeping; 10.8 Measles (children with otitis media); 10.14 Tick bite fever; 17.3.4.1 Pneumonia in children; 19.4.1 Otitis, externa; 19.4.2 Otitis, media, acute; 19.5 Sinusitis, acute, bacterial; 19.6 Tonsillitis and pharyngitis; 21.3.1.1 Animal bites; 21.3.1.2 Human bites.

- Azithromycin, oral, 10 mg/kg/dose, daily for 3 days.

Weight kg	Dose mg	Use one of the following:			Age Months/years
		Susp 200 mg/5mL	Tablet		
			250 mg	500 mg	
>3.5–5 kg	40 mg	1 mL	–	–	>1–3 months
>5–7 kg	60 mg	1.5 mL	–	–	>3–6 months
>7–9 kg	80 mg	2 mL	–	–	>6–12 months
>9–11 kg	100 mg	2.5 mL	–	–	>12–18 months
>11–14 kg	120 mg	3 mL	–	–	>18 months–3 years
>14–18 kg	160 mg	4 mL	–	–	>3–5 years
>18–25 kg	200 mg	5 mL	–	–	>5–7 years
>25–35 kg	250 mg	–	1 tablet	–	>7–11 years
>35 kg	500 mg	–	–	1 tablet	>11 years

### CEFTRIAXONE

3.2.1.1 Complicated severe acute malnutrition (SAM); 8.4 Urinary tract infection (UTI); 10.5 Fever; 10.18 Viral haemorrhagic fever; 14.3 Arthritis, septic; 17.2.1 Croup (laryngotracheobronchitis) in children; 17.3.4.1 Pneumonia in children; 21.2.9 Shock (septicaemia); 21.3.6.2 Post exposure prophylaxis, rape and sexual assault.

- Ceftriaxone, IM, 80 mg/kg/dose immediately as a single dose.

Weight kg	Dose mg	Use one of the following injections mixed with water for injection (WFI):			Age Months/years
		250 mg/2 mL (250 mg diluted in 2 mL WFI)	500 mg/2 mL (500 mg diluted in 2 mL WFI)	1 000 mg/3.5 mL (1 000 mg diluted in 3.5 mL WFI)	
>2–2.5 kg	190 mg	1.5 mL	0.75 mL	–	>34–36 weeks
>2.5–3.5 kg	225 mg	1.8 mL	0.9 mL	–	>36 weeks–1 month
>3.5–5.5 kg	310 mg	–	1.25 mL	–	>1–3 months
>5.5–7 kg	440 mg	–	1.75 mL	–	>3–6 months
>7–9 kg	625 mg	–	2.5 mL	–	>6–12 months
>9–11 kg	750 mg	–	3 mL	–	>12–18 months
>11–14 kg	810 mg	–	3.25 mL	–	>18 months–3 years
>14–17.5 kg	1 000 mg	–	4 mL	3.5 mL	>3–5 years
>17.5 kg	1 500 mg	–	–	5.5 mL	>5 years

## STANDARD PAEDIATRIC DOSING TABLES

2.9.1 Diarrhoea, acute in children; 2.10.1 Dysentery, bacillary; 15.4.1 Meningitis, acute;

Ceftriaxone IM/IV, 100 mg/kg/dose (immediately as a single dose)

Weight kg	Dose mg	Use one of the following injections mixed with water for injection (WFI):			Age Months/years
		250 mg/2 mL (250 mg diluted in 2 mL WFI)	500 mg/2 mL (500 mg diluted in 2 mL WFI)	1 000 mg/3.5 mL (1 000 mg diluted in 3.5 mL WFI)	
>2–2.5 kg	238 mg	1.9 mL	0.9 mL	–	>34–36 weeks
>2.5–3.5 kg	280 mg	–	1.1 mL	–	>36 weeks–1 month
>3.5–5.5 kg	388 mg	–	1.6 mL	–	>1–3 months
>5.5–7 kg	550 mg	–	2.2 mL	–	>3–6 months
>7–9 kg	782 mg	–	3.1 mL	–	>6–12 months
>9–11 kg	938 mg	–	3.75 mL	–	>12–18 months
>11–14 kg	1013 mg	–	4.0 mL	3.5 mL	>18 months–3 years
>14–17.5 kg	1 250 mg	–	–	4.6 mL	>3–5 years
>17.5 kg	1 875 mg	–	–	6.9 mL	>5 years

### CEPHALEXIN

5.4.1 Boil, abscess; 5.4.2 Impetigo; 5.4.3 Cellulitis; 5.8.1 Eczema, atopic; 5.8.2 Eczema, acute, moist or weeping; 19.4.1 Otitis, externa, (furuncular).

- Cephalexin, oral, 25 mg/kg/dose 12 hourly for 5 days.

Weight kg	Dose mg	Syrup 125 mg/ 5mL	Syrup 250 mg/ 5mL	Capsule 250 mg	Capsule 500mg	Age Months/years
>2.5–3.4 kg	75 mg	3 mL	1.5 mL	–	–	Birth–3 months
3.5–5.0 kg	100 mg	4 mL	2 mL	–	–	>3–18 months
5.1–7.4 kg	150 mg	6 mL	3 mL	–	–	>3–6 months
7.5–10 kg	200 mg	8mL	4 mL	–	–	>12–18 months
10.1–14.kg	250 mg	10 mL	5 mL	1	–	>18 months–3 years
14.1–18 kg	350 mg	–	7 mL	–	–	>3–5 years
18.1–25 kg	500 mg	–	10 mL	2	1	>5-7 years
>25 kg	625 mg	–	12.5 mL	–	–	>7 years

### CETIRIZINE

5.2 Itching (pruritus); 5.8.1 Eczema, atopic; 5.8.2 Eczema, acute, moist or weeping; 5.10.1 Urticaria; 5.10.4 Papular urticaria; 5.11 Pityriasis rosea; 18.1.1 Conjunctivitis, allergic; 19.1 Allergic rhinitis.

- Cetirizine, oral, 5 mg once daily

Weight kg	Dose mg	Use one of the following:		Age years
		Syrup 1 mg/ mL	Tablet 10 mg	
>12–21 kg	5 mg	5 mL	–	2–6 years
>21 kg	10 mg	10 mL	1 tablet	>6 years

### CHLORPHENAMINE

5.10 Itching (pruritus); 5.7.3 Sandworm; 5.8.1 Eczema, atopic; 5.8.2 Eczema, acute, moist or weeping; 5.10.1 Urticaria; 5.10.4 Papular urticaria; 5.11 Pityriasis rosea; 10.2 Chicken pox; 18.1.1 Conjunctivitis, allergic; 19.1 Allergic rhinitis; 20.4 Chronic cancer pain (pruritis); 21.3.1.3 Insect stings, scorpion stings and spider bites.

- Chlorphenamine, oral, 0.1 mg/kg/dose 6–8 hourly.

Weight Kg	Dose mg	Use one of the following:		Age years
		Syrup 2 mg/5mL	Tablet 4 mg	
>12–14 kg	1.2 mg	3 mL	–	>2–3 years
>14–17.5 kg	1.6 mg	4 mL	–	>3–5 years
>17.5–25 kg	2 mg	5 mL	–	>5–7 years
>25–35 kg	3 mg	7.5 mL	–	>7–11 years
>35 kg	4 mg	–	1 tablet	>11 years

## STANDARD PAEDIATRIC DOSING TABLES

### CIPROFLOXACIN

2.10.1 *Dysentery, bacillary.*

- Ciprofloxacin, oral, 15 mg/kg/dose 12 hourly for 3 days.

Weight kg	Dose mg	Use one of the following:			Age Months/years
		Susp 250 mg/5 mL	Tablet		
			250 mg	500 mg	
>9–11 kg	150mg	3 mL	–	–	>12–18 months
>11–14 kg	200 mg	4 mL	–	–	>18 months–3 years
>14–17.5 kg	250 mg	5 mL	1	–	>3–5 years
>17.5–25 kg	300 mg	6 mL	–	–	>5–7 years
>25 kg	500 mg	10 mL	2	1	>7 years

### CLARITHROMYCIN.

1.1.1 *Dental abscess*; 4.9 *Rheumatic fever, acute*; 5.4.1 *Boil, abscess*; 5.4.2 *Impetigo*; 5.4.3 *Cellulitis*; 5.8.2 *Eczema, acute, moist or weeping*; 10.8 *Measles (children with otitis media)*; 10.14 *tick bite fever*; 17.3.4.1 *Pneumonia in children*; 19.4.1 *Otitis, externa*; 19.4.2 *Otitis, media, acute*; 19.5 *Sinusitis, acute, bacterial*; 19.6 *Tonsillitis and pharyngitis*; 21.3.1.1 *Animal bites*; 21.3.1.2 *Human bites.*

- Clarithromycin, oral, 7.5 mg/kg/dose, 12 hourly for 5 days.

Weight kg	Dose mg	Use one of the following:			Age Months/years
		Susp		Tablet 250 mg	
		125mg/5mL	250mg/5mL		
>3.5–5 kg	30 mg	1.2	–	–	>1–3 months
>5–7 kg	45 mg	1.8	–	–	>3–6 months
>7–9 kg	62.5 mg	2.5	–	–	>6–12 months
>9–11 kg	75 mg	3	–	–	>12–18 months
>11–14 kg	100 mg	4	–	–	>18 months–3 years
>14–17.5kg	125 mg	5	2.5	–	>3–5 years
>17.5-25kg	150 mg	6	3	–	>5–7 years
>25–35 kg	187.5 mg	7.5	3.75	–	>7–11 years
>35–55 kg	250 mg	–	5	1 tablet	>11–15 years

### COTRIMOXAZOLE (PROPHYLAXIS)

11.5 *The HIV-exposed infant*; 11.6 *Management of HIV infected children*; 11.7 *Opportunistic infections, prophylaxis in children*; 15.4.1 *Meningitis, acute – or suspected meningitis or suspected listeria meningitis (pre-referral dose only).*

- Cotrimoxazole (sulfamethoxazole/trimethoprim), oral, once daily

Recommended daily dosage by weight band	Dose of sulfamethoxazole/ trimethoprim	Suspension (200/40 mg per 5 mL)	Single strength tablet (400/80 mg)	Double strength tablet (800/160 mg)
3 to 5.9 kg	100/20 mg	2.5 mL	¼ tablet	-
6 to 13.9 kg	200/40 mg	5 mL	½ tablet	-
14 to 24.9 kg	400/80 mg	10 mL	1 tablet	½ tablet
25 kg	800/160 mg	-	2 tablets	1 tablet

### DIAZEPAM

15.3.3 *Febriile convulsions*; 21.2.11 *Seizures and status epilepticus.*

- Diazepam, rectal, 0.5 mg/kg/dose for convulsions as a single dose.

Weight kg	Dose mg	Ampoule 10 mg/2 mL	Age Months/years
>3–6 kg	2 mg	0.4 mL	<6 months
>6–10 kg	2.5 mg	0.5 mL	>6 months–1 year
>10–18 kg	5 mg	1 mL	>1–5 years
>18–25 kg	7.5 mg	1.5 mL	>5–7 years
>25–40 kg	10 mg	2 mL	>7–12 years

### EFAVIRENZ

11.6 *Management of HIV-infected children.*

- Efavirenz, oral, at night. (see Annexure A)

## STANDARD PAEDIATRIC DOSING TABLES

### EPINEPHRINE (ADRENALINE)

5.10.2 Angioedema , 21.2.10 Anaphylaxis.

- Epinephrine (adrenaline), 1:1000, IM, 0.01 mL/kg as a single dose.

Weight kg	Dose mg	Injection 1 mg/mL (1:1 000)	Age years
9–12 kg	0.1 mg	0.1 mL	1–2 years
>12–17.5 kg	0.2 mg	0.2 mL	>2–5 years
>17.5–40 kg	0.3 mg	0.3 mL	>5–12 years
>40 kg	0.5 mg	0.5 mL	>12 years

### FLUCLOXACILLIN

5.4.1 Boil, abscess; 5.4.2 Impetigo; 5.4.3 Cellulitis; 5.8.2 Eczema, acute, moist or weeping; 19.4.1 Otitis, externa (furuncular)

- Flucloxacillin, oral, 12–25mg/kg/dose 6 hourly for 5 days.

Weight Kg	Dose mg	Syrup 125 mg/ 5mL	Capsule 250 mg	Age Months/years
>2.5–5 kg	62.5 mg	2.5 mL	–	Birth–3 months
>5–11 kg	125 mg	5 mL	–	>3–18 months
>11–25 kg	250 mg	10 mL	1 capsule	>18 months–7 years
>25 kg	500 mg	–	2 capsules	>7 years

### FLUCONAZOLE

5.5.2.3 Scalp infections – tinea capitis (for 28 days); 11.8.2 Candidiasis, oesophageal (for 21 days).

- Fluconazole, oral, 6 mg/kg once daily.

Weight Kg	Dose mg	Use one of the following:			Age Months/years
		Susp 50 mg/5 mL	Capsule 50 mg	Capsule 200 mg	
>3.5–5 kg	25 mg	2.5 mL	–	–	>1–3 months
>5–7 kg	30 mg	3 mL	–	–	>3–6 months
>7–9 kg	50 mg	5 mL	1 capsule	–	>6–12 months
>9–11 kg	60 mg	6 mL	–	–	>12–18 months
>11–14 kg	70 mg	7 mL	–	–	>18 months–3 years
>14–17.5 kg	100 mg	10 mL	2 capsules	–	>3–5 years
>17.5–25 kg	125 mg	12.5 mL	–	–	>5–7 years
>25–35 kg	150 mg	15 mL	3 capsules	–	>7–11 years
>35 kg	200 mg	–	–	1 capsule	>11 years

### FUROSEMIDE

4.6.2 Cardiac failure, Congestive (CCF); 8.1 Chronic kidney disease (CKD); 8.2 Acute kidney injury; 21.2.8 Pulmonary oedema, acute.

- Furosemide, IV, 1 mg/kg, over 5 minutes.

Weight Kg	Dose mg	Injection 10 mg/mL	Age Months/years
>3.5–5 kg	4 mg	0.4 mL	>1–3 months
>5–7 kg	6 mg	0.6 mL	>3–6 months
>7–9 kg	8 mg	0.8 mL	>6–12 months
>9–11 kg	10 mg	1 mL	>12–18 months
>11–14 kg	12 mg	1.2 mL	>18 months–3 years
>14–17.5 kg	15 mg	1.5 mL	>3–5 years
>17.5–25 kg	20 mg	2 mL	>5–7 years
>25–35 kg	30 mg	3 mL	>7–11 years
>35 kg	40 mg	4 mL	>11 years

### HYDROCORTISONE

21.2.10 Anaphylaxis.

- Hydrocortisone IM/slow IV, 5 mg/kg immediately.

Weight kg	Dose mg	Injection 100 mg/2 mL	Age Months/years
<11 kg	25 mg	0.5 mL	1 month–2 years
>11–14 kg	50 mg	1 mL	>2–3 years
>14–17.5 kg	75 mg	1.5 mL	>3–5 years
>17.5 kg	100 mg	2 mL	>5 years

## STANDARD PAEDIATRIC DOSING TABLES

### 17.1.2 Acute asthma, children

- Hydrocortisone IM /slow IV, 4mg/kg (maximum 100 mg) immediately.

Weight kg	Dose mg	Injection 100 mg/2 mL	Age Months/years
<11 kg	25 mg	0.5 mL	1-18 months
>11–14 kg	40 mg	0.8 mL	>18 months–3 years
>14–17.5 kg	50 mg	1 mL	>3–5 years
>17.5–25 kg	60 mg	1.2 mL	>5–7 years
>25–40 kg	80 mg	1.6 mL	>7–12 years
>40 kg	100 mg	2 mL	>12 years

### IBUPROFEN

20.2 Acute pain; 20.3 Chronic non-cancer pain; 20.4 Chronic cancer pain.

- Ibuprofen, oral, 5–10 mg/kg/dose 8 hourly with or after a meal.

Weight kg	Dose mg	Use one of the following:		Age Months/years
		Syrup 100 mg/5mL	Tablet 200 mg	
>9–11 kg	80 mg	4 mL	–	>12–18 months
>11–14 kg	100 mg	5 mL	–	>18 months–3 years
>14–17.5 kg	120 mg	6 mL	–	>3–5 years
>17.5–25 kg	150 mg	7.5 mL	–	>5–7 years
>25–40 kg	200 mg	10 mL	1 tablet	>7–12 years
>40 kg	400 mg	–	2 tablets	>12 years

### LACTULOSE

2.5.1 Anal fissures; 2.8 Constipation; 20.4 Chronic cancer pain (constipation); 22.1.1 Constipation (medicines used in palliative care).

- Lactulose, oral, 0.5 mL/kg/dose once daily.
  - If poor response, increase frequency to 12 hourly.

Weight kg	Syrup 3.3 g/5 mL	Age Months/years
>5–7 kg	3 mL	>3–6 months
>7–9 kg	4 mL	>6–12 months
>9–11 kg	5 mL	>12–18 months
>11–14 kg	6 mL	>18 months–3 years
>14–17.5 kg	7.5 mL	>3–5 years
>17.5–35 kg	10 mL	>5–11 years
>35 kg	15 mL	>11 years

### LAMIVUDINE

11.6 Management of HIV-infected children; 21.3.6.2 Post exposure prophylaxis, rape and sexual assault.

- Lamivudine, oral, 4 mg/kg 12 hourly or 8 mg/kg daily. (see Annexure A)

### LOPINAVIR/RITONAVIR

11.6 Management of HIV-infected children

- Lopinavir/ritonavir, oral 300/75mg/m<sup>2</sup> – administered 12 hourly. (see Annexure A)

### METRONIDAZOLE

1.1.1 Abscess, dental; 1.3.3 Necrotising periodontitis; 21.3.1.1 Animal bites; 21.3.1.2 Human bites.

- Metronidazole, oral, 7.5 mg/kg/dose 8 hourly for 5 days.

Weight kg	Dose mg	Use one of the following:			Age Months/years
		Suspension 200 mg/5mL	Tabs 200mg	Tabs 400mg	
> 9–11 kg	80 mg	2 mL	–	–	>12–18 months
>11–14 kg	100 mg	2.5 mL	½ tablet	–	>18 months–3 years
>14–17.5 kg	120 mg	3 mL	–	–	>3–5 years
>17.5–25 kg	160 mg	4 mL	–	–	>5–7 years
>25–35 kg	200 mg	5 mL	1 tablet	½ tablet	>7–11 years
>35–55 kg	300 mg	7.5mL	1½ tablets	–	>11–15 years
>55 kg	400 mg	–	–	2 tablets	>15 years

## STANDARD PAEDIATRIC DOSING TABLES

### MIDAZOLAM

15.3.3 Febrile convulsions; 21.2.11 Seizures and status epilepticus.

- Midazolam, buccal, 0.5 mg/kg/dose.

Weight kg	Dose mg	Injection formulation (buccal administration) 5 mg/mL	Age Months/years
>7–9 kg	4 mg	0.8 mL	>6–12 months
>9–11 kg	5 mg	1 mL	>12–18 months
>11–14 kg	6 mg	1.2 mL	>18 months–3 years
>14–17.5 kg	7.5 mg	1.5 mL	>3–5 years
>17.5 kg	10 mg	2 mL	>5 years

### MORPHINE

20.2 Acute severe pain (*pre-referral dose*), 22.4.1 Dyspnoea (*pre-referral dose*),

The dosing table is based on the following doses according to age:

- Morphine, oral, 0.05 mg/kg/dose 6 hourly in children aged 0-1 month.
- Morphine, oral, 0.1 mg/kg/dose 4-6 hourly in children 1-11 months.
- Morphine, oral, 0.2–0.4 mg/kg/dose 4–6 hourly in children > 12 months.

Weight kg	Dose mg	Use one of the following:		Age Months/years
		Syrup 1 mg/mL	Tablet 10 mg	
<4.4 kg	0.2 mg	0.2 mL	-	0–1 month
>5–9 kg	0.7 mg	0.7 mL	-	>1–11 months
>9–11 kg	2.5 mg	2.5 mL	-	>12–18 months
>11–14 kg	4 mg	4 mL	-	>18 months–3 years
>14–17.5 kg	5 mg	5 mL	-	>3–5 years
>17.5–25 kg	6 mg	6 mL	-	>5–7 years
>25 kg	10 mg	10 mL	1 tablet	>7 years

### PARACETAMOL

1.1.1 Dental abscess; 1.3.3 Necrotising periodontitis; 1.4 Herpes simplex infections of the mouth and lips; 1.5 Aphthous ulcer; 10.2 Chickenpox; 10.5 Fever; 10.7.1 Malaria, uncomplicated (fever in children < 5 years of age); 10.8 Measles; 10.10 Mumps; 10.11 Rubella (German measles); 10.14 Tick bite fever; 14.1 Arthralgia; 15.3.3 Febrile convulsions; 15.4.1 Meningitis, acute; 15.5 Headache, mild, non-specific; 17.2.1 Croup (laryngotracheobronchitis) in children; 17.3.1 Influenza; 18.1.2 Conjunctivitis, bacterial (excluding conjunctivitis of the newborn); 18.1.4 Conjunctivitis, viral (pink eye); 18.3.1 Eye injury, chemical burn; 18.3.3 Eye injury (blunt or penetrating); 19.2 Viral rhinitis (common cold); 19.4.2 Otitis, media, acute; 19.5 Sinusitis, acute, bacterial; 19.6 Tonsillitis and pharyngitis; 20.2 Acute pain; 20.3 Chronic non-cancer pain; 20.4 Chronic cancer pain; 21.3.1.3 Insect stings, scorpion stings and spider bites; 21.3.2 Burns; 21.14 Injuries; 21.3.8 Sprains; 21.3.7 Soft tissue injuries.

- Paracetamol, oral, 10–15 mg/kg/dose 6 hourly when required.

Weight kg	Dose mg	Use one of the following:		Age Months/years
		Syrup 120 mg/5mL	Tablet 500 mg	
>3.5–5 kg	48 mg	2 mL	-	>1–3 months
>5–7 kg	72 mg	3 mL	-	>3–6 months
>7–9 kg	96 mg	4 mL	-	>6–12 months
>9–11 kg	120 mg	5 mL	-	>12–18 months
>11–14 kg	144 mg	6 mL	-	>18 months–3 years
>14–17.5 kg	180 mg	7.5 mL	-	>3–5 years
>17.5–25 kg	240 mg	10 mL	½ tablet	>5–7 years
>25–35 kg	360 mg	15 mL	-	>7–11 years
>35–55 kg	500 mg	-	1 tablet	>11–15 years
>55 kg	1 000 mg	-	2 tablets	>15 years

### PHENOBARBITAL

21.2.11 Seizures and status epilepticus.

- Phenobarbital, oral, crushed and given by nasogastric tube, 20 mg/kg as a single dose.

Weight kg	Dose mg	Tablet 30 mg	Age Months/years
>2.5–3.5 kg	60 mg	2 tablets	Birth–1 month
>3.5–5 kg	75 mg	2½ tablets	>1–3 months
>5–7 kg	120 mg	4 tablets	>3–6 months
>7–11 kg	180 mg	6 tablets	>6–12 months
>11–14 kg	210 mg	7 tablets	>18 months–3 years

## STANDARD PAEDIATRIC DOSING TABLES

>14 kg	240 mg	8 tablets	>3 years
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### PRAZIQUANTEL

10.12 *Schistosomiasis*.

- Praziquantel, oral, 40 mg/kg as a single dose.

Weight kg	Dose mg	Tablet 600 mg	Age years
>12–17.5 kg	600 mg	1 tablet	>2–5 years
>17.5–25 kg	900 mg	1½ tablet	>5–7 years
>25–35 kg	1 200 mg	2 tablets	>7–11 years
>35 kg	1 800 mg	3 tablets	>11 years

### PROMETHAZINE

21.2.10 *Anaphylaxis*.

- Promethazine IM/slow IV.
  - Children > 2 years: 0.25 mg/kg.

Weight kg	Dose mg	Use one of the following injections:		Age Months/years
		25 mg/mL	50 mg/2 mL	
>12–17.5 kg	2.5 mg	0.1 mL	0.1 mL	2–5 years
>17.5–25 kg	5 mg	0.2 mL	0.2 mL	>5–7 years
>25–35 kg	7.5 mg	0.3 mL	0.3 mL	>7–11 years
>35–55 kg	15 mg	0.6 mL	0.6 mL	>11–15 years
>55 kg	25 mg	1 mL	1 mL	>15 years

### RITONAVIR

11.6 *Management of HIV-infected children*; 11.8.7 *Tuberculosis (concomitant ARVs)*.

- Ritonavir, oral, 12 hourly (ONLY as booster for lopinavir/ritonavir, when on rifampicin) (see Annexure A)

### ZIDOVUDINE

21.3.6.2 *Post exposure prophylaxis, rape and sexual assault*.

- Zidovudine, oral, 180-240 mg/m<sup>2</sup> 12 hourly. (see *antiretroviral drug dosing chart for children below*)



## ANNEXURE A: ANTIRETROVIRAL DRUG DOSING CHART FOR CHILDREN

	Abacavir (ABC)	Lamivudine (3TC)	Abacavir + Lamivudine (ABC + 3TC)	Dolutegravir (DTG)	Dolutegravir when on rifampicin
<b>Target dose</b>	8 mg/kg <b>TWICE daily</b> <b>OR</b> If $\geq 10$ kg: 16 mg/kg <b>ONCE daily</b>	4 mg/kg <b>TWICE daily</b> <b>OR</b> If $\geq 10$ kg: 8 mg/kg <b>ONCE daily</b>	As for individual medications <b>ONCE daily</b>	By weight band <b>ONCE daily</b>	By weight band <b>TWICE daily</b>
<b>Available formulations</b>	Sol. 20 mg/mL Tabs 60 mg (scored, dispersible), 300 mg (not scored)	Sol. 10 mg/mL, Tabs 150 mg (scored)	Dispersible tablets (FDC): ABC/3TC 120/60 mg Tablet FDC: ABC/3TC 600/300 mg ABC/3TC/DTG 600/300/50 mg	Dispersible tabs (DT) 10 mg, film coated (FC) tabs 50 mg, FDC: TLD 300/300/50 mg <b>OR</b> ABC/3TC/DTG 600/300/50 mg <b>DT AND FC TABLETS ARE NOT BIOEQUIVALENT</b>	Dispersible tabs (DT) 10 mg, film coated (FC) tabs 50 mg, FDC: TLD 300/300/50 mg <b>OR</b> ABC/3TC/DTG 600/300/50 mg <b>DT AND FC TABLETS ARE NOT BIOEQUIVALENT</b>
<b>Weight (kg)</b>	Consult with a clinician experienced in paediatric ARV prescribing for neonates (< 28 days of age) and infants weighing < 3 kg.				
<b>3–5.9</b>	3 mL 12 hourly <b>OR</b> 1 x 60 mg tab 12 hourly	3 mL 12 hourly	1 x 120/60 mg tab daily	0.5 x 10 mg DT daily	0.5 x 10 mg DT 12 hourly
<b>6-9.9</b>	4 mL 12 hourly <b>OR</b> 1.5 x 60 mg tabs 12 hourly	4 mL 12 hourly	1.5 x 120/60 mg tabs daily	1.5 x 10 mg DT daily	1.5 x 10 mg DT 12 hourly
<b>10–13.9</b>	4 x 60 mg tabs daily <b>OR</b> 12 mL daily	12 mL daily	2 x 120/60 mg tabs daily	2 x 10 mg DT daily	2 x 10 mg DT 12 hourly

**STANDARD PAEDIATRIC DOSING TABLES**

	<b>Abacavir (ABC)</b>	<b>Lamivudine (3TC)</b>	<b>Abacavir + Lamivudine (ABC + 3TC)</b>	<b>Dolutegravir (DTG)</b>	<b>Dolutegravir when on rifampicin</b>
<b>14–19.9</b>	5 x 60 mg tabs daily <b>OR</b> 1 x 300 mg tab daily	1 x 150 mg tab daily	2.5 x 120/60 mg tabs daily	2.5 x 10 mg DT daily	2.5 x 10 mg DT 12 hourly
<b>20–24.9</b>	1 x 300 mg tab <b>PLUS</b> 1 x 60 mg tab daily <b>OR</b> 6 x 60 mg tabs daily	2 x 150 mg tabs daily	1 x ABC/3TC 600/300 mg tab daily <b>OR</b> ABC/3TC/DTG FDC (600/300/50 mg) if eligible, daily	3 x 10 mg DT daily <b>OR</b> 1 x 50 mg FC tab daily	3 x 10 mg DT 12 hourly <b>OR</b> 1 x 50 mg FC tab 12 hourly
<b>25–29.9</b>	2 x 300 mg tabs daily			1 x 50 mg tab daily <b>OR</b> FDC: ABC/3TC/DTG 600/300/50 mg tab daily	1 x 50 mg tab 12 hourly <b>OR</b> FDC: ABC/3TC/DTG 600/300/50 mg tab 12 hourly
<b>30–39.9</b>				1 x 50 mg FC tab daily <b>OR</b> FDC: TLD if eligible daily	1 x 50 mg FC tab 12 hourly <b>OR</b> FDC: TLD if eligible daily + 50 mg DTG FC tab 12 hours later
<b>≥ 40</b>				FDC: ABC/3TC/DTG if eligible daily	FDC: ABC/3TC/DTG if eligible daily + 50 mg DTG FC tab 12 hours later

**STANDARD PAEDIATRIC DOSING TABLES**

	<b>Lopinavir/ritonavir (LPV/RTV)</b>	<b>Abacavir + Lamivudine + Lopinavir/ritonavir</b>	<b>Lopinavir/ritonavir when on rifampicin (and for 2 weeks after stopping rifampicin)</b> <i>Choose one of the 2 options below as appropriate</i>		<b>*Atazanavir (ATV) + ritonavir (RTV)</b>	<b>Efavirenz (EFV)</b>	<b>Zidovudine (AZT)</b>
<b>Target dose</b>	300/75 mg/m <sup>2</sup> /dose LPV/RTV <b>TWICE daily</b>	By weight band <b>TWICE daily</b>	LPV/RTV std dose + super-boosting with ritonavir (RTV) powder <b>TWICE daily</b> (≥ 0.75 x LPV dose 12 hourly)	Double-dose LPV/RTV tabs ONLY if able to swallow whole LPV/RTV tabs <b>TWICE daily</b>	By weight band <b>ONCE daily</b>	By weight band <b>ONCE daily</b>	180–240 mg/m <sup>2</sup> /dose <b>TWICE daily</b>
<b>Available formulations</b>	Sol. 80/20 mg/mL Adult tabs 200/50 mg, Paed tabs 100/25 mg <b>TABLETS MUST BE SWALLOWED WHOLE</b> Pellets 40/10 mg per capsule <b>ONLY FOR USE IF NOT TOLERATING LPV/RTV SOLUTION. CAPSULES ARE NOT RECOMMENDED &lt; 6 MONTHS OF AGE</b>	Caps 30/15/40/10 mg <b>IF PATIENT IS ON RIFAMPICIN TB TREATMENT, ADD RTV POWDER</b> (next column)	Oral powder 100 mg per packet	Adult tabs 200/50 mg, Paed tabs 100/25 mg	ATV caps 150, 200 mg; RTV tabs 100 mg; FDC: ATV/RTV 300/100 mg; <b>RTV TABLETS AND ATV/R FDC TABLETS MUST BE SWALLOWED WHOLE</b>	Caps/tabs 50, 200, 600 mg; FDC: TEE 300/200/600 mg; <b>TABLETS MUST BE SWALLOWED WHOLE</b>	Sol. 10 mg/mL Tabs 100 mg, 300 mg (not scored), AZT/3TC 300/150 mg
<b>Weight (kg)</b>	Consult with a clinician experienced in paediatric ARV prescribing for neonates (< 28 days of age) and infants weighing < 3 kg.						

**STANDARD PAEDIATRIC DOSING TABLES**

	<b>Lopinavir/ritonavir (LPV/RTV)</b>	<b>Abacavir + Lamivudine + Lopinavir/ritonavir</b>	<b>Lopinavir/ritonavir when on rifampicin (and for 2 weeks after stopping rifampicin)</b> <i>Choose one of the 2 options below as appropriate</i>		<b>#Atazanavir (ATV) + ritonavir (RTV)</b>	<b>Efavirenz (EFV)</b>	<b>Zidovudine (AZT)</b>
<b>3–5.9</b>	*1 mL 12 hourly <b>OR</b> 2 capsules 12 hourly	2 capsules 12 hourly	LPV/RTV std dose <b>PLUS</b> oral RTV powder 100 mg (1 packet) 12 hourly	Do not use double-dose LPV/RTV tabs	Not recommended	Not recommended	6 mL 12 hourly
<b>6–9.9</b>	*1.5 mL 12 hourly <b>OR</b> 3 capsules 12 hourly	3 capsules 12 hourly					9 mL 12 hourly
<b>10–13.9</b>	2 mL 12 hourly <b>OR</b> 4 capsules 12 hourly <b>OR</b> 2 x 100/25 mg paed tabs in morning <b>PLUS</b> 1 x 100/25 mg paed tab at night	4 capsules 12 hourly	LPV/RTV std dose <b>PLUS</b> oral RTV powder 200 mg (2 packets) 12 hourly	3 x 100/25 mg tabs 12 hourly	ATV 1 x 200 mg cap daily <b>PLUS</b> RTV 1 x 100 mg tab or 100 mg oral powder (1 packet) daily	1 x 200 mg cap/tab at night	12 mL 12 hourly <b>OR</b> 1 x 100 mg tab 12 hourly
<b>14–19.9</b>	2.5 mL 12 hourly <b>OR</b> 5 capsules 12 hourly <b>OR</b> 2 x 100/25 mg paed tabs 12 hourly <b>OR</b> 1 x 200/50 mg adult tab 12 hourly	5 capsules 12 hourly		4 x 100/25 mg paed tabs 12 hourly <b>OR</b> 2 x 200/50 mg adult tabs 12 hourly			1 x 200 mg cap/tab + 2 x 50 mg caps/tabs at night

**STANDARD PAEDIATRIC DOSING TABLES**

	<b>Lopinavir/ritonavir (LPV/RTV)</b>	<b>Abacavir + Lamivudine + Lopinavir/ritonavir</b>	<b>Lopinavir/ritonavir when on rifampicin (and for 2 weeks after stopping rifampicin)</b> <i>Choose one of the 2 options below as appropriate</i>		<b>#Atazanavir (ATV) + ritonavir (RTV)</b>	<b>Efavirenz (EFV)</b>	<b>Zidovudine (AZT)</b>
<b>20–24.9</b>	3 mL 12 hourly <b>OR</b> 6 capsules 12 hourly <b>OR</b> 2 x 100/25 mg paed tabs 12 hourly <b>OR</b> 1 x 200/50 mg adult tab 12 hourly	6 capsules 12 hourly					2 x 100 mg tabs 12 hourly <b>OR</b> 20 mL 12 hourly
<b>25–29.9</b>	3.5 mL 12 hourly <b>OR</b> 7 capsules 12 hourly <b>OR</b> 3 x 100/25 mg paed tabs 12 hourly <b>OR</b> 1 x 200/50 mg adult tab 12 hourly <b>PLUS</b> 1 x 100/25 mg paed tab 12 hourly	Not recommended	LPV/RTV std dose <b>PLUS</b> oral RTV powder 300 mg (3 packets) 12 hourly	6 x 100/25 mg paed tabs 12 hourly <b>OR</b> 3 x 200/50 mg adult tabs 12 hourly	1 x ATV/RTV 300/100 mg FDC daily <b>OR</b> ATV 2 x 150 mg caps daily <b>PLUS</b> RTV 1 x 100 mg tab or 100 mg oral powder (1 packet) daily	2 x 200 mg caps/tabs at night	1 x 300 mg tab 12 hourly <b>OR</b> 1 x AZT/3TC 300/150 mg tab 12 hourly
<b>30–39.9</b>	5 mL 12 hourly <b>OR</b> 10 capsules 12 hourly <b>OR</b> 4 x 100/25 mg paed tabs 12 hourly <b>OR</b>			8 x 100/25 mg paed tabs 12 hourly <b>OR</b>			
<b>≥ 40</b>	4 x 100/25 mg paed tabs 12 hourly <b>OR</b>						

**STANDARD PAEDIATRIC DOSING TABLES**

	<b>Lopinavir/ritonavir (LPV/RTV)</b>	<b>Abacavir + Lamivudine + Lopinavir/ritonavir</b>	<b>Lopinavir/ritonavir when on rifampicin (and for 2 weeks after stopping rifampicin)</b> <i>Choose one of the 2 options below as appropriate</i>		<b>*Atazanavir (ATV) + ritonavir (RTV)</b>	<b>Efavirenz (EFV)</b>	<b>Zidovudine (AZT)</b>
	2 x 200/50 mg adult tabs 12 hourly			4 x 200/50 mg adult tabs 12 hourly			

Source: Child and Adolescent Committee of the SA HIV Clinicians Society in collaboration with the Department of Health: Antiretroviral drug dosing chart for children, 2022: [https://sahivsoc.org/Files/PaedDosingChart\\_2022.pdf](https://sahivsoc.org/Files/PaedDosingChart_2022.pdf)