



## Annexure 6 Antiretroviral Drug Dosing Chart for Children (2022)

Compiled by Child and Adolescent Committee of SA HIV Clinicians Society in collaboration with the Department of Health

	Abacavir + Lamivudine (ABC + 3TC)	Dolutegravir (DTG)	Dolutegravir when on Rifampicin	Abacavir (ABC)	Lamivudine (3TC)	Zidovudine (AZT)
Target dose	As for individual medicines <b>ONCE daily</b>	By weight band <b>ONCE daily</b>	By weight band <b>TWICE DAILY</b>	8 mg/kg/dose <b>TWICE daily</b> OR If $\geq 10$ kg: 16 mg/kg/dose <b>ONCE daily</b>	4 mg/kg/dose <b>TWICE daily</b> OR If $\geq 10$ kg: 8 mg/kg/dose <b>ONCE daily</b>	180 - 240 mg/m <sup>2</sup> /dose <b>TWICE daily</b>
Available formulations	Dispersible tablet FDC: ABC/3TC 120/60 mg Tablets 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 OR 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 OR ABC/3TC/DTG 600/300/50 mg <b>DT AND FC TABLETS ARE NOT BIOEQUIVALENT</b>	Sol. 20 mg/ml Tabs 60 mg (scored, dispersible), 300 mg (not scored)	Sol. 10 mg/ml Tabs 150 mg (scored)	Sol. 10 mg/ml Tabs 100 mg, 300 mg (not scored), FDC: AZT/3TC 300/150 mg
Wt. (kg)	Consult with a clinician experienced in paediatric ARV prescribing for neonates (< 28 days of age) and infants weighing < 3kg					
3 - 5.9	1 x 120/60 mg tab od	0.5 x 10 mg DT od	0.5 x 10 mg DT bd	3 ml bd OR 1 x 60 mg tab bd	3 ml bd	6 ml bd
6 - 9.9	1.5 x 120/60 mg tabs od	1.5 x 10 mg DT od	1.5 x 10 mg DT bd	4 ml bd OR 1.5 x 60 mg tab bd	4 ml bd	9 ml bd
10 - 13.9	2 x 120/60 mg tabs od	2 x 10 mg DT od	2 x 10 mg DT bd	Once daily dosing > 10 kg	Once daily dosing > 10 kg	12 ml bd OR 1 x 100 mg tabs bd
				4 x 60 mg tabs od OR 12 ml od	12 ml od	
14 - 19.9	2.5 x 120/60 mg tabs od	2.5 x 10 mg DT od	2.5 x 10 mg DT bd	5 x 60 mg tabs od OR 1 x 300 mg tab od	1 x 150 mg tab od	2 x 100 mg tabs am + 1 x 100 mg tab pm OR 15 ml bd
20 - 24.9	3 x 120/60 mg tabs od	3 x 10 mg DT od OR 1 x 50 mg FC tab od	3 x 10 mg DT bd OR 1 x 50 mg FC tab bd	1 x 300 mg tab + 1 x 60 mg tab od OR 6 x 60 mg tabs od		2 x 100 mg tabs bd OR 20 ml bd
25 - 29.9	1 x 600/300 mg tab od OR ABC/3TC/DTG FDC (600/300/50 mg) if eligible od	1 x 50 mg FC tab od OR FDC: ABC/3TC/DTG if eligible od	1 x 50 mg FC tab bd OR FDC: ABC/3TC/DTG if eligible od + 50 mg DTG FC tab 12 hours later	2 x 300 mg tabs od	2 x 150 mg tabs od	1 x 300 mg tab bd OR 1 x AZT/3TC 300/150 mg tab bd
30 - 39.9		1 x 50 mg FC tab od OR FDC: TLD if eligible od	1 x 50 mg FC tab bd OR FDC: TLD if eligible od + 50 mg DTG FC tab 12 hours later			
$\geq 40$		1 x 50 mg FC tab od OR FDC: ABC/3TC/DTG if eligible od	FDC: ABC/3TC/DTG if eligible od + 50 mg DTG FC tab 12 hours later			

\* Avoid LPV/r solution in any full-term infant <14 days of age and any premature infant <42 weeks post conceptual age (corrected gestational age) or obtain expert advice.

\* Children weighing 25-29.9 kg may also be dosed with LPV/r 200/50 mg adult tabs: 2 tabs am + 1 tab pm.

# Atazanavir + ritonavir should not be used in children/adolescents on treatment with Rifampicin, obtain expert advice. No dosage adjustments are required for children receiving treatment with Efavirenz and Rifampicin.

od = once a day;  
nocte = at night;  
bd = twice a day;  
am = in the morning;  
pm = in the evening;  
std = standard;

Lopinavir / ritonavir (LPV/r)	Abacavir + Lamivudine + Lopinavir/ritonavir	Lopinavir/ritonavir when on rifampicin (and for 2 weeks after stopping rifampicin)		# Atazanavir (ATV) + Ritonavir (RTV)	Efavirenz (EFV)	
300/75 mg/m <sup>2</sup> /dose LPV/r TWICE daily	By weight band TWICE daily	LPV/r std dose + super-boosting with ritonavir (RTV) powder TWICE daily (≥ 0,75 x LPV dose bd)	Double-dose LPV/r tabs ONLY if able to swallow whole LPV/r tabs TWICE daily	By weight band ONCE daily	By weight band ONCE daily	Target dose
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/r 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 (next column)</b>	Oral powder 100 mg/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 RTV TABLETS AND ATV/r FDC TABLETS MUST BE SWALLOWED WHOLE	Caps/tabs 50, 200, 600 mg; FDC: TEE 300/200/600 mg; TABLETS MUST BE SWALLOWED WHOLE	Available formulations
Consult with a clinician experienced in paediatric ARV prescribing for neonates (< 28 days of age) and infants weighing < 3kg						Wt. (kg)
* 1 ml bd OR 2 capsules bd	2 capsules bd	LPV/r std dose (see purple column) + oral RTV powder 100 mg (1 packet) bd	Do not use double-dose LPV/r tabs	Not recommended	Not recommended	3 - 5.9
* 1.5 ml bd OR 3 capsules bd	3 capsules bd					6 - 9.9
2 ml bd OR 4 capsules bd OR 2 x 100/25 mg paed tabs am + 1 x 100/25 mg paed tab pm	4 capsules bd	LPV/r std dose (see purple column) + oral RTV powder 200 mg (2 packets) bd	3 x 100/25 mg paed tabs bd	ATV 1 x 200 mg cap od + RTV 1 x 100 mg tab or 100 mg oral powder (1 packet) od	1 x 200 mg cap/tab nocte	10 - 13.9
2.5 ml bd OR 5 capsules bd OR 2 x 100/25 mg paed tabs bd OR 1 x 200/50 mg adult tab bd	5 capsules bd		4 x 100/25 mg paed tabs bd OR 2 x 200/50 mg adult tabs bd			14 - 19.9
3 ml bd OR 6 capsules bd OR 2 x 100/25 mg paed tabs bd OR 1 x 200/50 mg adult tab bd	6 capsules bd		6 x 100/25 mg paed tabs bd OR 3 x 200/50 mg adult tabs bd			20 - 24.9
3.5 ml bd OR 7 capsules bd OR 3 x 100/25 mg paed tabs bd OR 1 x 200/50 mg adult tab bd + 1 x 100/25 mg paed tab bd	Not recommended	LPV/r std dose (see purple column) + oral RTV powder 300 mg (3 packets) bd	8 x 100/25 mg paed tabs bd OR 4 x 200/50 mg adult tabs bd	1 x ATV/RTV 300/100mg FDC od OR ATV 2 x 150 mg caps od + RTV 1 x 100 mg tab or 100 mg oral powder (1 packet) od	2 x 200 mg caps/tabs nocte	25 - 29.9
5 ml bd OR 10 capsules bd OR 4x100/25 mg paed tabs bd OR 2x200/50 mg adult tabs b			2 x 200 mg caps/tabs nocte OR FDC: TEE if eligible od			≥ 40

FC = film coated  
DT = dispersible tablet  
FDC = fixed dose combination;  
TLD = tenofovir/lamivudine/dolutegravir;  
TEE = tenofovir/emtricitabine/efavir

Weight (kg)	3 - 5.9	6 - 13.9	14 - 24.9	≥ 25
<b>Cotrimoxazole Dose</b>	2.5 ml od	5 ml or ½ tab od	10 ml or 1 tab od	2 tabs od
<b>Multivitamin Dose</b>	2.5 ml od	2.5 ml od	5 ml od	10 ml od