

ANTIRETROVIRAL DRUG DOSING CHART FOR CHILDREN 2012

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

	Abacavir (ABC)	Lamivudine (3TC)	Efavirenz (EFV)	Lopinavir/ritonavir (LPV/rtv)	Ritonavir boosting (RTV)	Stavudine (d4T)	Didanosine (ddI)	Nevirapine (NVP)	Zidovudine (AZT)	Target Dose	
Target Dose	8mg/kg TWICE daily OR ≥10kg: 16mg/kg ONCE daily	4mg/kg TWICE daily OR ≥10kg: 8mg/kg ONCE daily	By weight band ONCE daily	300/75mg/m ² /dose LPV/rtv TWICE daily	ONLY as booster for LPV/ rtv when on Rifampicin TWICE daily (0.75xLPV dose bd)	1mg/kg/dose TWICE daily	180-240mg/m ² /dose ONCE daily	160-200 mg/m ² /dose TWICE daily (after once daily lead-in x 2 wks)	180-240mg/m ² / dose TWICE daily	Target Dose	
Available Formulations	Sol 20mg/ml Tabs 300mg (not scored)	Sol. 10mg/ml Tabs 150mg (scored) 300mg	Caps 50,200mg Tabs 50, 200, 600mg (not scored)	Sol. 80/20mg/ml Adult Tabs 200/50mg, Paeds Tabs 100/25mg	Sol. 80mg/ml	Sol. 1mg/ml Caps 15, 20, 30mg	Tabs 25,50,100mg (dispersible in 30ml water) Caps 250mg EC	Sol. 10mg/ml Tabs 200mg (scored)	Sol. 10mg/ml Caps 100mg (not scored)	Available Formulations	
Wt. (kg)	Currently available tablet formulations of abacavir, efavirenz, LPV/rtv and AZT are film-coated and must be swallowed whole and NOT chewed, divided or crushed									Wt. (kg)	
<3	Consult with a clinician experienced in paediatric ARV prescribing for neonates (<28 days of age) and infants weighing <3kg									<3	
3-3.9	2ml bd	2ml bd	Avoid using when <10kg or <3 years: dosing not established	*1ml bd	1ml bd	6ml	Avoid	5ml bd	6ml bd	3-3.9	
4-4.9											
5-5.9	3ml bd	3ml bd				7.5mg bd: open 15mg capsule into 5ml water: give 2.5ml	100mg od: (2x50mg tabs)			5-5.9	
6-6.9					*1.5ml bd	1.5ml bd				9ml bd	6-6.9
7-7.9	4ml bd	4ml bd						125mg od: (1x100mg + 1x25mg tabs)	8ml bd		7-7.9
8-8.9						10mg bd: open 20mg capsule into 5ml water: give 2.5ml				8-8.9	
9-9.9									1 cap bd OR 12ml bd	9-9.9	
10-10.9	Choose only one option:			200mg nocte (1x200mg cap/ tab)		15mg bd: open 15mg capsule into 5ml water	150mg od: (1x100mg +1x50mg tabs)	10ml bd		10-10.9	
11-13.9	6ml bd	12ml od	6ml bd	12ml od						11-13.9	
14-16.9	8ml bd	1 tab od OR 15ml od	1/2x150mg tab bd OR 8ml bd	1x150mg tab od OR 15ml od	Choose one option: -2.5ml bd -100/25mg paed tabs 2 bd -200/50mg adult tabs: 1 bd		175mg od: (1x100mg + 1x50mg + 1x25mg)		2 caps am 1 cap pm OR 15ml bd	14-16.9	
17-19.9										17-19.9	
20-24.9	10ml bd	20ml od	1x150mg tab bd OR 15ml bd	2x150mg tab od OR 1x300mg tab od OR 30ml od	Choose one option: -3ml bd -100/25mg paed tabs: 2 bd -200/50mg adult tabs: 1 bd	20mg bd: open 20mg capsule into 5ml water (if the child is unable to swallow a capsule)	200mg od: (2 x 100mg tabs)	1 tab am 1/2 tab pm OR 15ml bd	2 caps bd OR 20ml bd	20-24.9	
25-29.9					Choose one option: -3.5ml bd -100/25mg paed tabs: 3 bd -#200/50mg adult tabs: 1 bd + 100/25mg paed tabs 1 bd					25-29.9	
30-34.9	1x300mg tab bd	2x300mg tabs od	1x150mg tab bd	2x150mg tabs od OR 1x300mg tab od	Choose one option: -4ml bd -100/25mg paed tabs: 3 bd -#200/50mg adult tabs: 1 bd + 100/25mg paed tabs 1 bd	30mg bd	250mg od: (2x100mg + 1x50mg tab) OR 1x250mg EC cap od	1 tab bd	1 tab bd	30-34.9	
35-39.9					Choose one option: -5ml bd -200/50mg adult tabs: 2 bd					35-39.9	
>40				600mg tab nocte		4ml bd				>40	

od = once a day bd = twice a day	* Avoid PLV/rtv solution in any full term infant <14 days of age and any premature infant <14 days after their due date of delivery (40 weeks post conception) or obtain expert advice. # Children 25-34.9kg may also be dosed with LPV/rtv 200/50mg adult tabs: 2 tabs am; 1 tab pm	Weight (kg)	3-4.9	5-9.9	10-13.9	14-29.9	≥30
		Cotrimoxazole Dose	2.5ml od	5ml od	5ml od	10ml or 1 tab od	2 tabs od
		Multivitamin Dose	2.5ml od	2.5ml od	5ml od	5ml od	10ml or 1 tab od

ANTIRETROVIRAL DRUG DOSING CHART FOR CHILDREN 2012

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

	Abacavir (ABC)	Lamivudine (3TC)	Efavirenz (EFV)	Lopinavir/ritonavir (LPV/rtv)	Ritonavir boosting (RTV)	Stavudine (d4T)	Didanosine (ddl)	Nevirapine (NVP)	Zidovudine (AZT)	Target Dose							
Target Dose	8mg/kg TWICE daily OR ≥10kg: 16mg/kg ONCE daily	4mg/kg TWICE daily OR ≥10kg: 8mg/kg ONCE daily	By weight band ONCE daily	300/75mg/m ² /dose LPV/rtv TWICE daily	ONLY as booster for LPV/ rtv when on Rifampicin TWICE daily (0.75xLPV dose bd)	1mg/kg/dose TWICE daily	180-240mg/m ² /dose ONCE daily	160-200 mg/m ² /dose TWICE daily (after once daily lead-in x 2 wks)	180-240mg/m ² / dose TWICE daily	Target Dose							
Available Formulations	Sol 20mg/ml Tabs 300mg (not scored)	Sol. 10mg/ml Tabs 150mg (scored) 300mg	Caps 50,200mg Tabs 50, 200, 600mg (not scored)	Sol. 80/20mg/ml Adult Tabs 200/50mg, Paeds Tabs 100/25mg	Sol. 80mg/ml	Sol. 1mg/ml Caps 15, 20, 30mg	Tabs 25,50,100mg (dispersible in 30ml water) Caps 250mg EC	Sol. 10mg/ml Tabs 200mg (scored)	Sol. 10mg/ml Caps 100mg Tabs 300mg (not scored)	Available Formulations							
Wt. (kg)	Currently available tablet formulations of abacavir, efavirenz, LPV/rtv and AZT are film-coated and must be swallowed whole and NOT chewed, divided or crushed										Wt. (kg)						
<3	Consult with a clinician experienced in paediatric ARV prescribing for neonates (<28 days of age) and infants weighing <3kg										<3						
3-3.9	2ml bd	2ml bd	Avoid using when <10kg or <3 years: dosing not established	*1ml bd	1ml bd	6ml	Avoid	5ml bd	6ml bd	3-3.9							
4-4.9													4-4.9				
5-5.9	3ml bd	3ml bd		*1.5ml bd	1.5ml bd	10mg bd: open 20mg capsule into 5ml water: give 2.5ml	15mg bd: open 15mg capsule into 5ml water			100mg od: (2x50mg tabs)	8ml bd	9ml bd	5-5.9				
6-6.9																6-6.9	
7-7.9	4ml bd	4ml bd												125mg od: (1x100mg + 1x25mg tabs)			7-7.9
8-8.9																	8-8.9
9-9.9										1 cap bd OR 12ml bd	9-9.9						
10-10.9	Choose only one option:			Choose only one option:		200mg nocte (1x200mg cap/ tab)	2ml bd	1.5ml bd	15mg bd: open 15mg capsule into 5ml water	150mg od: (1x100mg +1x50mg tabs)	10ml bd	10-10.9					
11-13.9	6ml bd	12ml od		6ml bd	12ml od							11-13.9					
14-16.9	8ml bd	1 tab od OR 15ml od	1/2x150mg tab bd OR 8ml bd	1x150mg tab od OR 15ml od	300mg nocte: (200mg cap/tab + 2x50mg cap/ tab)	Choose one option: -2.5ml bd -100/25mg paed tabs 2 bd -200/50mg adult tabs: 1 bd	2ml bd	20mg bd: open 20mg capsule into 5ml water (if the child is unable to swallow a capsule)	175mg od: (1x100mg + 1x50mg + 1x25mg)	1 tab am 1/2 tab pm OR 15ml bd	2 caps am 1 cap pm OR 15ml bd	14-16.9					
17-19.9											17-19.9						
20-24.9	10ml bd	20ml od	1x150mg tab bd OR 15ml bd	2x150mg tab od OR 1x300mg tab od OR 30ml od		Choose one option: -3ml bd -100/25mg paed tabs: 2 bd -200/50mg adult tabs: 1 bd	2.5ml bd		200mg od: (2 x 100mg tabs)		2 caps bd OR 20ml bd	20-24.9					
25-29.9					400mg nocte: (2x200mg caps/ tabs)	Choose one option: -3.5ml bd -100/25mg paed tabs: 3 bd -#200/50mg adult tabs: 1 bd + 100/25mg paed tabs 1 bd	3ml bd					25-29.9					
30-34.9	1x300mg tab bd	2x300mg tabs od	1x150mg tab bd	2x150mg tabs od OR 1x300mg tab od		Choose one option: -4ml bd -100/25mg paed tabs: 3 bd -#200/50mg adult tabs: 1 bd + 100/25mg paed tabs 1 bd		30mg bd	250mg od: (2x100mg + 1x50mg tab) OR 1x250mg EC cap od	1 tab bd	1 tab bd	30-34.9					
35-39.9						Choose one option: -5ml bd	4ml bd					35-39.9					
>40					600mg tab nocte	-200/50mg adult tabs: 2 bd						>40					

od = once a day bd = twice a day	* Avoid PLV/rtv solution in any full term infant <14 days of age and any premature infant <14 days after their due date of delivery (40 weeks post conception) or obtain expert advice. # Children 25-34.9kg may also be dosed with LPV/rtv 200/50mg adult tabs: 2 tabs am; 1 tab pm	Weight (kg)	3-4.9	5-9.9	10-13.9	14-29.9	≥30
		Cotrimoxazole Dose	2.5ml od	5ml od	5ml od	10ml or 1 tab od	2 tabs od
		Multivitamin Dose	2.5ml od	2.5ml od	5ml od	5ml od	10ml or 1 tab od