

**Paediatric anti-retroviral drugs dosing chart in Kenya. Colour lithograph by the Government of Kenya, June 2009.**

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**wellcome  
collection**

Wellcome Collection  
183 Euston Road  
London NW1 2BE UK  
T +44 (0)20 7611 8722  
E [library@wellcomecollection.org](mailto:library@wellcomecollection.org)  
<https://wellcomecollection.org>



GOVERNMENT OF KENYA  
MINISTRY OF MEDICAL SERVICES (MOMS)  
MINISTRY OF PUBLIC HEALTH & SANITATION (MOPHS)

# PAEDIATRIC ANTI RETROVIRAL DRUGS DOSING CHART (JUNE 2009)

Weight Range (Kg)	Abacavir (ABC)		Didanosine (ddI)		Lamivudine (3TC)		Stavudine (d4T)		Zidovudine (ZDV, AZT)		Efavirenz (EFV)		Nevirapine (NVP)		Lopinavir/Ritonavir (LPV/r)		Nelfinavir (NFV)		Atracuric + Lamivudine		Abacavir + Lamivudine + Nevirapine		Stavudine + Lamivudine + Nevirapine		Zidovudine + Lamivudine + Nevirapine		Zidovudine + Lamivudine + Abacavir		Weight Range (Kg)	
	10mg/kg/50mg/50mg Twice daily	150mg/750mg Twice daily	10mg/kg/50mg/50mg Twice daily	25/50/150mg/150mg Twice daily	150/750mg/150mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	15.0/75.0mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily	150mg/750mg Twice daily		
3 - 3.5	3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD	3 - 3.5
4 - 4.5	3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD		3ml BD	4 - 4.5
5 - 5.5	3ml BD		4 ml BD		3 ml BD		3 ml BD		3 ml BD		3 ml BD		3 ml BD		3 ml BD		3 ml BD		3 ml BD		3 ml BD		3 ml BD		3 ml BD		3 ml BD		3 ml BD	5 - 5.5
6 - 6.5	4ml BD		5 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD	6 - 6.5
7 - 7.5	4ml BD		6 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD	7 - 7.5
8 - 8.5	4ml BD		6 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD	8 - 8.5
9 - 9.5	4ml BD		6 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD	9 - 9.5
10 - 10.5	4ml BD		6 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD	10 - 10.5
11 - 11.5	4ml BD	5.5ml BD	7 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD		4 ml BD	11 - 11.5
12 - 12.5	4 ml BD	5.5ml BD	7 ml BD		4 ml BD	5.5 ml BD	11 mg cap BD	12ml BD	1 cap BD	200 mg cap or tab OD	9 ml OD	10 ml OD	8.5 tab OD	10 ml OD	8.5 tab OD	2 ml BD	2 tab am 1 tab pm	3 tabs BD	2 tab BD	2 tab BD	1 tab BD	1 tab BD	2 tab BD	2 tab BD	2 tab BD	2 tab BD	2 tab BD	2 tab BD	2 tab BD	12 - 12.5
14 - 14.5	5.5ml BD	8 ml BD	8 ml BD		5.5 ml BD	20 mg cap BD	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	14 - 14.5
17 - 17.5	5.5ml BD	9 ml BD	9 ml BD		5.5 ml BD	20 mg cap BD	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	2 caps am 1 cap pm	17 - 17.5
20 - 24.5	1 tab in am 8.5 tab in pm	100mg/250mg tab OD	250mg EC cap OD		1 tab in am 8.5 tab in pm	20 mg cap BD	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	2 caps 1 cap pm	20 - 24.5
25 - 29.5	1 tab BD	100mg/250mg tab BD	250mg EC cap OD		1 tab BD	30 mg cap BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	25 - 29.5
30 - 34.5	1 tab BD	100mg/250mg tab BD	250mg EC cap OD		1 tab BD	30 mg cap BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	30 - 34.5
35-39.5	1 tab BD	100mg/250mg tab BD	250mg EC cap OD		1 tab BD	30 mg cap BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	3 caps 1 tab BD	35-39.5

\*1.5 tabs BD may also be delivered as 2 tabs am and 1 tab pm if tablet can not be scored. \*\*2.5 tabs BD may also be delivered as 3 tabs am and 2 tab pm if tablet can not be scored.

**Footnotes:**

Abacavir (ABC) Tablets can be swallowed whole or crushed and dispersed in water or onto a small amount of food and immediately ingested. **Parents must be warned about hypersensitivity reactions. ABC should be stopped permanently if hypersensitivity reaction occurs.**

Stavudine (d4T) Capsules can be opened and dispersed in water or onto a small amount of food and immediately ingested. Do not use stavudine with zalcitabine due to synergistic effect.

Lamivudine (3TC) Tablets are not scored but can be divided into two equal halves with a pill splitter. Tablets may be crushed and dispersed in water or onto a small amount of food and immediately ingested. Oral solution should be used in children under 10kg for accurate dosing. It is stable at room temperature.

Zidovudine (ZDV) Capsules should be opened and dispersed in water or onto a small amount of food and immediately ingested. Oral solution should be used in children under 10kg for accurate dosing. It is stable at room temperature. Do not use zidovudine with stavudine due to synergistic effect. Use with caution in children with anaemia due to potential for **bone marrow suppression.**

Didanosine (ddI) Tablets should be opened, crushed or dispersed in water or onto a small amount of food and immediately ingested. **Must be administered on an empty stomach at least 30 minutes before or 2 hours after eating.** Oral solutions need refrigeration for storage and 70°C solution for patients without refrigeration facility at home. Tablets with indenter: the drug must be separated by one half.

Nevirapine (NVP) Tablets are scored and may be crushed into equal parts. Tablets can be crushed and dispersed in water or onto a small amount of food and immediately ingested. Oral solution is stable at room temperature. Consider using liquid for the induction dose in children under 9 kg for accurate and precise dose. **REMEMBER THAT DOSING OF NVP MUST BE ADJUSTED DURING THE INDUCTION PHASE OF A NVP BASED THERAPY (from Day 1 to Day 14) while using NVP based formulations.** Parents must be warned about potential adverse effects during the 14 day induction period. NVP should be permanently discontinued in children with bleeding disorders.

Efavirenz (EFV) Capsules may be opened and dispersed in water or onto a small amount of food and immediately ingested. Should not be administered with high fat meals e.g. cheese, fatty meat. Oral solution is stable at room temperature. Although the liquid may be available in some areas, it is advised to use the capsule or tablet form when possible.

Lopinavir/Ritonavir (LPV/r) Should be taken with food. Oral solution must be refrigerated until dispensed. After removing from refrigeration, oral solution is stable for 80 days at room temp, 30°C. Final stable formulation is now available.

Nelfinavir (NFV) Tablets can be crushed and dispersed in water or onto a small amount of food and immediately ingested. Must be taken with food to improve absorption.

ABC See comments under individual drugs.

EC Tablets preferably should not be split unless scored.