1.3 ZIDOVUDINE (AZT OR ZDV)			
FORMULATIONS			
Tablets	Capsules	Liquid	FDC
60 mg 300 mg	100 mg 250 mg	10 mg/ml	**Baby 60 mg AZT** **Adult 300 mg AZT** • AZT + 3TC + NVP • AZT + 3TC • AZT + 3TC + ABC

DOSE AND FREQUENCY OF DOSING

• Maximum dose 300 mg twice daily

Target dose
• Liquid (oral dosing) 180 – 240 mg/m^2 per dose given twice daily (total daily dose 360 – 480 mg/m^2)
• For children with suspected nervous system involvement, it may be beneficial to use a dose at the higher end of the range.

Maximum dose
• 300 mg twice daily

MTCT prevention dose
• Oral target dose 4 mg/kg every 12 hours starting within 12 hours after birth and continuing up to 6 weeks of age, depending on national recommendations
• Intravenous target dose of 1.5 mg/kg infused over 30 minutes every 6 hours until oral dosing is possible
• For prophylaxis against MTCT, liquid (oral dosing) is preferred in infants since accurate dosing with paediatric tablets is not possible.

Administration – capsules
• Can be opened and dispersed in water or onto a small amount of food and immediately ingested

Administration – tablets
• 60 mg tablets are scored and can be split.
• 300 mg tablets are often not scored – may be cut in half with a tablet cutter in a pharmacy.
• Tablets may be crushed and combined with a small amount of food or water and immediately ingested.
• Some paediatric FDC formulations of this drug are dispersible.

Storage
• Store capsules at room temperature (25°C; range 15 – 30°C) in a tightly closed container (to protect from moisture).
• Store tablets at room temperature (25°C; range 15 – 30°C).
• Liquid is stable at room temperature but needs storage in a glass jar and is light sensitive.

OTHER COMMENTS

General
• No food restrictions
• Use with caution in children with anaemia due to potential for bone marrow

Pharmacokinetic data
• Available for all ages

Major drug interactions
• Do not use with d4T or ribavirin.

Ref: http://us.gsk.com/products/assets/us_retrovir. pdf
http://www.who.int/hiv/pub/paediatric/antiretroviral/en/index.html

ZIDOVUDINE					
Recommended dosing based on weight-bands for children >6 weeks using liquid and adult tablets					
Weight range (kg)		Target dose 180 – 240 mg/m^2 twice daily		Dose (ml or tablets)	
Bottom	Top	Formulation		a.m.	p.m.
3	3.9	10	mg/ml liquid	6 ml	6 ml
4	4.9	10	mg/ml liquid	6 ml	6 ml
5	5.9	10	mg/ml liquid	6 ml	6 ml
6	6.9	10	mg/ml liquid	9 ml	9 ml
7	7.9	10	mg/ml liquid	9 ml	9 ml
8	8.9	10	mg/ml liquid	9 ml	9 ml
9	9.9	10	mg/ml liquid	9 ml	9 ml
10	10.9	10	mg/ml liquid	12 ml	12 ml
11	11.9	10	mg/ml liquid	12 ml	12 ml
12	13.9	10	mg/ml liquid	12 ml	12 ml
14	16.9	300	mg tablet	½	½
17	19.9	300	mg tablet	½	½
20	24.9	300	mg tablet	1	½
25	29.9	300	mg tablet	1	1
30	34.9	300	mg tablet	1	1

ZIDOVUDINE

Recommended dosing based on weight-bands for children >6 weeks using liquid and capsules

Weight range (kg)		Target dose 180 – 240 mg/m^2 twice daily		Dose (ml or capsules)	
Bottom	Top	Formulation		a.m.	p.m.
3	3.9	10	mg/ml liquid	6 ml	6 ml
4	4.9	10	mg/ml liquid	6 ml	6 ml
5	5.9	10	mg/ml liquid	6 ml	6 ml
6	6.9	10	mg/ml liquid	9 ml	9 ml
7	7.9	10	mg/ml liquid	9 ml	9 ml
8	8.9	100	mg capsule	1	1
9	9.9	100	mg capsule	1	1
10	10.9	100	mg capsule	1	1
11	11.9	100	mg capsule	1	1
12	13.9	100	mg capsule	1	1
14	16.9	100	mg capsule	2	1
17	19.9	100	mg capsule	2	1
20	24.9	100	mg capsule	2	2
25	29.9	100	mg capsule	2	2
30	34.9	100	mg capsule	3	3

ZIDOVUDINE					
Recommended dosing based on weight-bands for children >6 weeks using paediatric tablets					
Weight range (kg)		Target dose 180 – 240 mg/m^2 twice daily		Dose (tablets)	
Bottom	Top	Formulation		a.m.	p.m.
3	3.9	60	mg tablet	1	1
4	4.9	60	mg tablet	1	1
5	5.9	60	mg tablet	1	1
6	6.9	60	mg tablet	1.5	1.5
7	7.9	60	mg tablet	1.5	1.5
8	8.9	60	mg tablet	1.5	1.5
9	9.9	60	mg tablet	1.5	1.5
10	10.9	60	mg tablet	2	2
11	11.9	60	mg tablet	2	2
12	13.9	60	mg tablet	2	2
14	16.9	60	mg tablet	2.5	2.5
17	19.9	60	mg tablet	2.5	2.5
20	24.9	60	mg tablet	3	3
25	29.9	300	mg tablet	1	1
30	34.9	300	mg tablet	1	1