



THE DOSE MAY
APPEAR HIGH
BUT LIKELY NOT A
REASON TO CALL



CONSIDER &
CALCULATE FIRST

Example of a 90 mg/kg/day prescription for acute otitis media

Child's WEIGHT (kilograms)	Child's WEIGHT (approx. pounds)	Typical AGE for Child of this Weight	Typical HIGH DOSE Amoxicillin Prescription If using 250 mg/5mL	Typical DURATION of Treatment
7	15	6 to 11 months	300 mg BID = 6 mL BID	10 days
9	20	12 to 23 months	400 mg BID = 8 mL BID	
14	30	2 to 3 year old	625 mg BID = 12.5 mL BID	5 days (may be up to 10 days if recurrent infection, treatment failure or perforated ear drum)
18	40	4 to 5 year old	800 mg BID = 16 mL BID	
23	50	6 to 7 year old	1000 mg BID = 20 mL BID	
27	60	8 to 9 year old	1200 mg BID = 24 mL BID	
Usual maximum dose is 3 g / day ^{CPS¹⁵} states up to 4g/day for pneumonia in children				

- Guidelines recommend high-dose amoxicillin for greater effectiveness in infections commonly caused by intermediate-resistant *Streptococcus pneumoniae*.
- High-dose amoxicillin is indicated for acute otitis media (BID x 5 to 10 days), and sometimes other infections, such as community-acquired pneumonia (TID x 5 to 10 days).
- After completing a weight-based dose check on a pediatric prescription, the higher dose range may sometimes appear alarmingly 'adult-like', but is reasonable, effective and well-tolerated.

For more information, visit www.RxFiles.ca



References:

1. Blondel-Hill E, Fryters S. Bugs & Drugs: an antimicrobial/infectious diseases reference. Edmonton (AB): Alberta Health Services; 2017. App Accessed May 2017.
2. Anti-infective Review Panel. Anti-infective Guidelines for Community Acquired Infections. Toronto: MUMS Guideline Clearinghouse; 2013. App Accessed 2017.
3. Sanford Guide Committee. The Sanford Guide to Antimicrobial Therapy, 47th Edition. Antimicrobial Therapy, INC; 2017.
4. Nicole Le Saux, Joan L Robinson; Canadian Paediatric Society (CPS) Infectious Diseases and Immunization Committee Paediatr Child Health 2016;21(1):39-44. Accessed online 17 May 2017 at <http://www.cps.ca/assets/pdfreactor/pdf.php?lang=en&paper=acute-otitis-media>

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