



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 <small>(may be up to 10 days if recurrent infection, treatment failure or perforated ear drum)</small>
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	
<i>Usual pediatric maximum dose is 4 grams per day</i>				

- Guidelines recommend high-dose amoxicillin for greater effectiveness for infections in certain individuals who have risk factors for intermediate-resistant *Streptococcus pneumoniae* (e.g. daycare, <2 years old, antibiotic exposure within last 3 months, unimmunized/underimmunized).
- High-dose amoxicillin is indicated for some cases of acute otitis media (BID or TID x 5 to 10 days), and sometimes other infections, such as community-acquired pneumonia (TID x 5 to 7 days for non-severe).
- 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 2.0. Alberta Health Services; 2023. App Accessed March 2024.
2. Firstline. Jim Pattison Children's Hospital. Acute Otitis Media guideline. Saskatchewan Health Authority; 2024. App Accessed March 2024.
3. Firstline. Jim Pattison Children's Hospital. Community Acquired Pneumonia guideline. Saskatchewan Health Authority; 2024. App Accessed March 2024.
4. Le Saux N, Robinson JL; Canadian Paediatric Society. Management of acute otitis media in children six months of age and older. *Paediatr Child Health*. 2016 Jan-Feb;21(1):39-50.
5. Le Saux N, Robinson JL; Canadian Paediatric Society. Uncomplicated pneumonia in healthy Canadian children and youth: Practice points for management. *Paediatr Child Health*. 2015 Nov-Dec;20(8):441-50.