

# Common Pediatric Medications\*

## Analgesics

### Acetaminophen

**Forms:** Liquid, tablet, oral disintegrating tablet, caplet, rectal suppository, injectable

**Usual oral dosage<sup>1,4</sup>:**

Children < 12 years: 10-15 mg/kg/dose every 4-6 hours as needed (maximum 90 mg/kg/24 hours<sup>5</sup> but not to exceed 2.6 g/24 hours<sup>1,4</sup>)

OR Alternative Acetaminophen Dosing Based on Age of Child<sup>4</sup>

Age	Weight		Dosage (mg) <sup>5</sup>
	lbs	kg	
0-3 months	6-11	2.7-5	40
4-11 months	12-17	5.1-7.7	80
1-2 years	18-23	7.8-10.5	120
2-3 years	24-35	10.6-15.9	160
4-5 years	36-47	16-21.4	240
6-8 years	48-59	21.5-26.8	320
9-10 years	60-71	26.9-32.3	400
11 years	72-95	32.4-43.2	480

Children ≥ 12 years and adults: 325-650 mg every 4-6 hours or 1000 mg 3-4 times/day as needed (maximum 4 g/24 hours)

### Acetaminophen with codeine

**Forms:** Liquid, tablet

**Liquids:** 120 mg acetaminophen and 12 mg codeine/5 mL (Note the elixir and solution, but not suspension, contain alcohol)

**Tablet:** No. 2: 300 mg acetaminophen and 15 mg codeine

No. 3: 300 mg acetaminophen and 30 mg codeine

No. 4: 300 mg acetaminophen and 60 mg codeine

**Usual oral dosage<sup>2,4</sup>:**

Children < 12 years: 0.5-1 mg codeine/kg/dose every 4-6 hours as needed; 10-15 mg acetaminophen/kg/dose every 4-6 hours as needed (maximum 90 mg/kg/24 hours but not to exceed 2.6 g acetaminophen/24 hours)<sup>5</sup>

OR 3-6 years: 5 mL elixir 3-4 times/day as needed

7-12 years: 10 mL elixir 3-4 times/day as needed

> 12 years: 15 mL elixir every 4 hours as needed

**Adults:** Based on codeine 30-60 mg dose every 4-6 hours as needed (maximum 4 g acetaminophen/24 hours)

OR 1-2 tablets every 4 hours as needed (maximum of 12 tablets/24 hours).

## Antibiotics

### Amoxicillin

**Forms:** Suspension, chewable tablet, tablet, capsule

**Usual oral dosage<sup>1,2</sup>:**

Children > 3 months of age up to 40 kg:

20-40 mg/kg/day in divided doses every 8 hours

OR 25-45 mg/kg/day in divided doses every 12 hours

Children > 40 kg & adults: 250-500 mg every 8 hours

OR 500-875 mg every 12 hours

Endocarditis prophylaxis<sup>3</sup>: 50mg/kg (maximum 2 g) 30-60 minutes before procedure

### Amoxicillin clavulanate potassium

**Forms:** Suspension, chewable tablet, tablet

**Usual oral dosage<sup>1,4</sup>:** (based on amoxicillin component):

Children > 3 months of age up to 40 kg: 25-45 mg/kg/day in doses divided every 12 hours (Prescribe suspension or chewable tablet due to clavulanic acid component)

Children > 40 kg & adults: 500-875 mg every 12 hours (Prescribe tablet)

### Cephalexin

**Forms:** Suspension, tablet, capsule

**Usual oral dosage<sup>1,4</sup>:**

Children > 1 year: 25-100 mg/kg/day in divided doses every 6-8 hours (maximum 4g/day)

Adults: 250-1000 mg every 6 hours (maximum 4g/day)

Endocarditis prophylaxis<sup>3,4</sup>: 50 mg/kg (maximum 2 g) 30-60 minutes before procedure

### Clindamycin

**Forms:** Suspension, capsule, injectable

**Usual oral dosage<sup>2,4</sup>:**

Children: 8-20 mg/kg/day in 3-4 divided doses as hydrochloride

OR 8-25 mg/kg/day in 3-4 divided doses as palmitate

Adults: 150-450 mg every 6 hours (maximum 1.8g/day)

Endocarditis prophylaxis<sup>3,4</sup>: 20 mg/kg (maximum 600 mg) orally, IM, OR IV 30-60 minutes before procedure

### Penicillin V Potassium

**Forms:** Liquid, tablet

**Usual oral dosage<sup>1,4,5</sup>:**

Children < 12 years: 25-50 mg/kg/day in 3-4 divided doses (maximum 3g/day)

Children ≥ 12 years & adults: 250-500 mg every 6-8 hours

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Analgesics		Antibiotics																																			
<p><b>Ibuprofen</b>  <b>Forms:</b> Liquid, tablet, injectable  <b>Usual oral dosage<sup>1,4</sup>:</b>                      Children up to 12 years: 4-10 mg/kg/dose every 6-8 hours as needed (maximum 40 mg/kg/24 hours)<sup>5</sup>                      OR Alternative Ibuprofen Dosing Based on Age of Child<sup>4</sup></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th rowspan="2">Age</th> <th colspan="2">Weight</th> <th rowspan="2">Dosage (mg)</th> </tr> <tr> <th>lbs</th> <th>kg</th> </tr> </thead> <tbody> <tr> <td>6-11 months</td> <td>12-17</td> <td>5.1-7.7</td> <td>50</td> </tr> <tr> <td>12-23 months</td> <td>18-23</td> <td>7.8-10.5</td> <td>75</td> </tr> <tr> <td>2-3 years</td> <td>24-35</td> <td>10.6-15.9</td> <td>100</td> </tr> <tr> <td>4-5 years</td> <td>36-47</td> <td>16-21.4</td> <td>150</td> </tr> <tr> <td>6-8 years</td> <td>48-59</td> <td>21.5-26.8</td> <td>200</td> </tr> <tr> <td>9-10 years</td> <td>60-71</td> <td>26.9-32.3</td> <td>250</td> </tr> <tr> <td>11 years</td> <td>72-95</td> <td>32.4-43.2</td> <td>300</td> </tr> </tbody> </table> <p>Children ≥ 12 years: 200 mg every 4-6 hours as needed (maximum 1.2 g/24 hours)                      Adults: 200 - 400 mg/dose every 4-6 hours as needed (maximum 1.2 g/24 hours)</p> <p><b>Naproxen base</b>  <b>Forms:</b> Suspension, tablet  <b>Usual oral dosage<sup>4</sup>:</b>                      Children &gt; 2 years up to 12 years: 5-7 mg/kg every 8-12 hours as needed                      Children ≥ 12 years: 200 mg every 8-12 hours as needed; may take 400 mg for initial dose (maximum 600 mg/24 hours).                      Adults: initial dose of 500 mg, then 250 mg every 6-8 hours as needed (maximum 1250 mg/24 hours)</p>		Age	Weight		Dosage (mg)	lbs	kg	6-11 months	12-17	5.1-7.7	50	12-23 months	18-23	7.8-10.5	75	2-3 years	24-35	10.6-15.9	100	4-5 years	36-47	16-21.4	150	6-8 years	48-59	21.5-26.8	200	9-10 years	60-71	26.9-32.3	250	11 years	72-95	32.4-43.2	300	<p><b>Azithromycin</b>  <b>Forms:</b> Suspension, tablet, capsule, injectable  <b>Usual oral dosage<sup>1,4</sup>:</b>                      Children ≥ 6 months up to 16 years: 5-12 mg/kg once daily (maximum: 500 mg/day)                      OR 30 mg/kg as a single dose (maximum 1500 mg)                      Children ≥ 16 years and adults 250-600 mg once daily                      OR 1-2 g as a single dose                      Doses vary for extended release suspension.                      Endocarditis prophylaxis<sup>1,3</sup>: 15 mg/kg 30-60 minutes before procedure (maximum dose: 500 mg)</p>	
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\* Pediatric dosage should not exceed adult dosage.

**References:**

1. Mosby’s Dental Drug Reference, 10<sup>th</sup> edition. Jeske AH, editor. Elsevier/Mosby, St. Louis, Missouri. 2012.
2. Clinical Pharmacology. Gold Standard Inc/Elsevier. Tampa, Fl. Available at: “http://www.clinicalpharmacology-ip.com”. Accessed June 25, 2011.
3. Wilson W, Taubert KA, Gewitz M, et al. Prevention of infective endocarditis: Guidelines from the American Heart Association Circulation. 2007;116(15):1736-1754. Correction Circulation. 2007;116:e376-e377. Available at: “http://circ.ahajournals.org/cgi/contentfull/116/15/1736TBL5183095”. Accessed April 11, 2011.
4. Wynn RL, Meiller TF, Crossley HL. Drug Information Handbook for Dentistry, 16<sup>th</sup> edition. Lexi-Comp, Hudson, Ohio. 2010.
5. Custer JW, Rau RE. The Harriet Lane Handbook, 18<sup>th</sup> edition. Mosby/Elsevier, Philadelphia, PA; 2009.

*DISCLAIMER: Drug information is constantly changing and is often subject to interpretation. While care has been taken to ensure the accuracy of the information presented, the AAPD is not responsible for the continued currency of the information, errors, omissions, or the resulting consequences. Decisions about drug therapy must be based upon the independent judgment of the clinician, changing drug information, and evolving healthcare practices.*