

# Summary of AHA Recommendations to Prevent Infective Endocarditis During Dental Care

<p><b>Cardiac Conditions for Which Prophylaxis With Dental Procedure Is Recommended</b></p> <ul style="list-style-type: none"> <li>• Prosthetic cardiac valve</li> <li>• Previous infective endocarditis (IE)</li> <li>• Congenital heart disease (CHD)             <ul style="list-style-type: none"> <li>– Unrepaired cyanotic CHD, including palliative shunts and conduits</li> <li>– Completely repaired CHD defects with prosthetic material or device for first 6 months after procedure</li> <li>– Repaired CHD with residual defects at the site or adjacent site of prosthetic patch / device (which inhibit endothelialization)</li> </ul> </li> <li>• Cardiac transplantation recipients who develop cardiac valvulopathy</li> </ul>	<p><b>Dental Procedures for Which IE Prophylaxis Is Recommended for at Risk Patients</b></p> <p style="text-align: center;">All dental procedures that involve “manipulation of gingival tissue or periapical region (root end) of teeth or perforation of the oral mucosa.”</p>
	<p><b>Dental Procedures for Which IE Prophylaxis Is NOT Recommended</b></p> <p style="text-align: center;">routine anesthetic injection through noninfected tissue          placement of removable appliances          placement of orthodontic brackets          bleeding from trauma to lips / mucosa          taking dental radiographs          adjustment of orthodontic appliances          shedding of deciduous teeth</p>

<b>Regimens for Dental Procedures</b> <i>(Single Dose 30 to 60 min before procedure)</i>			
<b>Situation</b>	<b>Agent</b>	<b>Adults</b>	<b>Children</b>
<b>Oral</b>	Amoxicillin	2 g	50 mg/kg
<b>Unable to take oral medication</b>	Ampicillin <b>OR</b> Cefazolin or ceftriaxone	2 g IM or IV  1 g IM or IV	50 mg/kg IM or IV  50 mg/kg IM or IV
<b>Allergic to penicillins or ampicillin–oral</b>	Cephalexin*† <b>OR</b> Clindamycin <b>OR</b> Azithromycin or clarithromycin	2 g  600 mg  500 mg	50 mg/kg  20 mg/kg  15 mg/kg
<b>Allergic to penicillins or ampicillin and unable to take oral medication</b>	Cefazolin or ceftriaxone† <b>OR</b> clindamycin	1 g IM or IV  600 mg IM or IV	50 mg/kg IM or IV  20 mg/kg IM or IV

\* Or other first- or second-generation oral cephalosporin in equivalent adult or pediatric dosage.

† Cephalosporins should not be used in an individual with a history of immediate-type hypersensitivity to penicillin (i.e., anaphylaxis, angioedema of the airway).

Reference: <http://circ.ahajournals.org/cgi/reprint/CIRCULATIONAHA.106.183095>

Prepared by AAOM Web Writing Group

Prepared 1 June, 2007

