

Cardiac conditions for which prophylaxis is or is not recommended:

Recommended:

Prosthetic cardiac valves

Previous infective endocarditis

Congenital heart disease (CHD)

- Unrepaired cyanotic CHD, including palliative shunts and conduits
- Completely repaired congenital heart defect with prosthetic material or device, whether placed by surgery or by catheter, during the first six months after the procedure
- Repaired CHD with residual defects at the site or adjacent to the site of a prosthetic patch or prosthetic device (which inhibit endothelialization)
- Cardiac transplant recipients who develop cardiac valvulopathy

Not Recommended:

*Except for the conditions listed above, antibiotic prophylaxis is **no longer recommended**.*

Dental procedures for which prophylaxis is or is not recommended:

Recommended for patients meeting the above criteria:

All dental procedures that involve manipulation of gingival tissue or the periapical region of teeth or perforation of the oral mucosa.

Not Recommended:

Routine anesthetic injections through noninfected tissue, taking dental radiographs, placement of removable prosthodontic or orthodontic appliances, adjustment of orthodontic appliances, placement of orthodontic brackets, shedding of deciduous teeth and bleeding from trauma to the lips or oral mucosa.

ANTIBIOTIC RECOMMENDATIONS

FOR PATIENTS REQUIRING PRE-MEDICATION BEFORE DENTAL PROCEDURES

Standard Prophylactic Regimen for patients at risk including those with prosthetic heart valves:

The new (April 2007) recommendation of the American Heart Association calls for a single dose of **Amoxicillin**, to be given one hour before the procedure. *There is no recommendation to give a second dose 6 hours later.*

Adults: **2 grams (2,000 mg)**

Children: **50 mg/kg**

For patients unable to take penicillin, a single dose of either Clindamycin, Cephalexin, Cefadroxil, Azithromycin or Clarithromycin is given one hour before the procedure. (Cephalexin or Cefadroxil should **not** be used in patients with an immediate hypersensitivity reaction to penicillins.) *There is no recommendation to give a second dose 6 hours later.*

Clindamycin:

Adults: 600 mg

Children: 20 mg/kg

Cephalexin/Cefadroxil (not for penicillin-allergic patients):

Adults: 2 grams (2,000 mg)

Children: 50 mg/kg

Azithromycin/Clarithromycin:

Adults: 500 mg

Children: 15 mg/kg