

Recommended Standard Prophylactic Regimes for Dental, Oral, Respiratory Tract, or Esophageal Procedures

Standard general prophylaxis

Amoxicillin

Adults: 2.0 g; *children:* 50 mg/kg orally 1 h before procedure

Unable to take oral medications

Ampicillin

Adults: 2.0 g intramuscularly (IM) or intravenously (IV); *children:* 50 mg/kg IM or IV within 30 min. before procedure

Allergic to penicillin

Clindamycin

Adults: 600 mg; *children:* 20 mg/kg orally 1 h before procedure

or

Cephalexin** or cefadroxil**

Adults: 2.0g; *children:* 50 mg/kg orally 1 h before procedure

or

Azithromycin or clarithromycin

Adults: 500 mg; *children:* 15 mg/kg orally 1 h before procedure

Allergic to penicillin and unable to take oral medications

Clindamycin

Adults: 600 mg; *children:* 20 mg/kg IV within 30 minutes before procedure

or

Cefazolin**

Adults: 1.0 g; *children:* 25 mg/kg IM or IV within 30 min before procedure

Prophylactic Regimens for Genitourinary Gastrointestinal (Excluding Esophageal) Procedures

High Risk Patients

Ampicillin plus Gentamicin

Adults: ampicillin 2.0 g intramuscularly (IM) or intravenously (IV) plus gentamicin 1.5 mg/kg (not to exceed 120 mg (within 30 min of starting the procedure; 6 h later, ampicillin 1 g IM/IV or amoxicillin 1 g orally

Children: ampicillin 50 mg/kg IV or IM (not to exceed 2.0 g) plus gentamicin 1.5 mg/kg within 30 min of starting the procedure; 6 h later, ampicillin 25 mg/kg IM/IV or amoxicillin 25 mg/kg orally

High-risk patients allergic to ampicillin/amoxicillin

Vancomycin plus Gentamicin

Adults: vancomycin 1.0 g IV over 1-2 h plus gentamicin 1.5 mg/kg IV/IM (not to exceed 120 mg); complete injection/infusion within 30 min of starting the procedure.

Children: vancomycin 20 mg/kg IV over 1-2 h plus gentamicin 1.5 mg/kg IV/IM; complete injection/infusion within 30 min of starting the procedure.

Moderate-risk patients

Amoxicillin or Ampicillin

Adults: amoxicillin 2.0 g orally 1 h before procedure, or ampicillin 2.0 g IM/IV within 30 min of starting the procedure

Children: amoxicillin 50 mg/kg orally 1 h before procedure, or ampicillin 50 mg/kg IM/IV within 30 min of starting the procedure

Moderate-risk patients allergic to ampicillin/amoxicillin

Vancomycin

Adults: vancomycin 1.0 g IV over 1-2 h; complete infusion within 30 min of starting the procedure

Children: vancomycin 20 mg/kg IV over 1-2 h; complete infusion within 30 min of starting the procedure

* Total children's dose should not exceed adult dose.

** No second dose of vancomycin or gentamicin is recommended.

NOTE: In patients with significantly compromised renal function, antibiotic dosages may need to be modified. Intramuscular injections may be contraindicated in patients receiving anticoagulants.

Adapted from: JAMA 1997; 277(22): 1794-1801

Please refer to the original report for more complete information as to which patients and procedures require prophylaxis, as well as appropriate doses for children. Children's antibiotic dosages should not exceed the maximum adult doses.