

## 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.