Penicillin V:

Class: Antibiotic.

Indications:

Treatment of infections caused by susceptible organisms involving the respiratory tract, otitis media, sinusitis, skin, and urinary tract; prophylaxis in rheumatic fever.

Available dosage form in the hospital: 125MG/5ML SUSP, 1.000.000 IU TAB, 200MG /5ML SUSP, 250MG /5ML SUSP, 500000 IU TAB.

Dosage:

- **Actinomycosis**: Oral:
  - **Mild**: 2000-4000 mg in 4 divided doses for 8 weeks
  - **Surgical**: 2000-4000 mg in 4 divided doses for 6-12 months (after I.V. penicillin G therapy of 4-6 weeks)

- **Erysipelas**: Oral: 500 mg 4 times daily

- **Pharyngitis (streptococcal)**: Oral:
  - **Manufacturer’s labeling**: 500 mg 3-4 times daily for 10 days
  - **Acute treatment, group A streptococci (IDSA guidelines)**: 250 mg 4 times daily or 500 mg twice daily for 10 days (Shulman, 2012)
  - **Chronic carrier treatment, group A streptococcal (IDSA guidelines)**: 500 mg 4 times daily (maximum: 2000 mg daily) for 10 days in combination with oral rifampin (Shulman, 2012)

- **Prophylaxis of pneumococcal or recurrent rheumatic fever infections**: Oral: 250 mg twice daily

- **Prosthetic joint infection (unlabeled use)**: Chronic oral antimicrobial suppression (Enterococcus spp [penicillin-susceptible], streptococci [beta-hemolytic], Propionibacterium spp): Oral: 500 mg 2-4 times daily (Osmon, 2013).

**Renal Impairment**:

- Cl\textsubscript{cr}, 10-50 mL/minute: Administer every 8-12 hours.
- Cl\textsubscript{cr}, <10 mL/minute: Administer every 12-16 hours

Common side effect:

Gastrointestinal: Mild diarrhea, vomiting, nausea, oral candidiasis

Pregnancy Risk Factor: B