

DRUG LABELS

(Educational Sample – Pharmacy RAG Dataset)

1. Paracetamol (Acetaminophen)

Drug Class: Analgesic, Antipyretic

Indications

Paracetamol is used for the relief of mild to moderate pain and for the reduction of fever.

Adult Dosage

- 500–1000 mg every 4–6 hours as needed
- Maximum daily dose: **4000 mg**

Pediatric Dosage

- 10–15 mg/kg every 6–8 hours
- Do not exceed 5 doses in 24 hours

Contraindications

- Severe liver impairment
- Chronic alcoholism

Warnings & Precautions

- Do not exceed recommended dose
- Prolonged use may cause liver damage
- Avoid alcohol during treatment

Pregnancy & Lactation

Generally considered safe during pregnancy and breastfeeding when used at recommended doses.

Side Effects

- Nausea
- Skin rash

- Liver toxicity (overdose)
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2. Ibuprofen

Drug Class: Nonsteroidal Anti-Inflammatory Drug (NSAID)

Indications

Used for pain, inflammation, fever, arthritis, and menstrual cramps.

Adult Dosage

- 200–400 mg every 6–8 hours
- Maximum daily dose: **1200 mg (OTC), 3200 mg (prescription)**

Contraindications

- Active peptic ulcer disease
- Severe heart failure
- Known NSAID allergy

Warnings & Precautions

- Increased risk of gastrointestinal bleeding
- Use lowest effective dose
- Caution in elderly patients

Pregnancy

- Avoid during **third trimester**
- Use only if advised by a healthcare professional

Side Effects

- Stomach pain
 - Heartburn
 - Dizziness
 - Increased blood pressure
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3. Aspirin (Acetylsalicylic Acid)

Drug Class: NSAID, Antiplatelet Agent

Indications

Used for pain, fever, inflammation, and prevention of heart attack and stroke.

Adult Dosage

- 325–650 mg every 4–6 hours
- Low-dose aspirin: 75–100 mg daily (cardioprotection)

Contraindications

- Bleeding disorders
- Children with viral infections (risk of Reye's syndrome)

Warnings

- Increased bleeding risk
- Avoid before surgery unless directed

Pregnancy

- Avoid during third trimester
- Use only under medical supervision

Side Effects

- Gastrointestinal irritation
- Bleeding
- Ringing in ears (high doses)

4. Amoxicillin

Drug Class: Penicillin Antibiotic

Indications

Used for bacterial infections including respiratory, ear, urinary tract, and skin infections.

Adult Dosage

- 250–500 mg every 8 hours
- Or 875 mg every 12 hours

Contraindications

- Penicillin allergy

Warnings

- Complete full prescribed course
- May reduce effectiveness of oral contraceptives (rare)

Pregnancy & Lactation

Generally considered safe when prescribed.

Side Effects

- Diarrhea
- Nausea
- Rash
- Allergic reactions

5. Cetirizine

Drug Class: Antihistamine

Indications

Used for allergic rhinitis, hay fever, and chronic urticaria.

Adult Dosage

- 10 mg once daily

Contraindications

- Severe kidney impairment

Warnings

- May cause drowsiness
- Avoid alcohol

Pregnancy

Consult healthcare provider before use.

Side Effects

- Drowsiness
 - Dry mouth
 - Fatigue
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6. Metformin

Drug Class: Biguanide (Antidiabetic)

Indications

Used for the management of Type 2 Diabetes Mellitus.

Adult Dosage

- Starting: 500 mg once or twice daily
- Maximum: 2000–2550 mg per day (divided doses)

Contraindications

- Severe kidney disease
- Metabolic acidosis

Warnings

- Risk of lactic acidosis
- Monitor kidney function

Pregnancy

Used only if benefits outweigh risks.

Side Effects

- Gastrointestinal upset
- Metallic taste
- Vitamin B12 deficiency (long-term)

