

## 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)
- 

## 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
-

### 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
- 

## **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)

