

## **Numerical Values References Ranges**

- BP (blood pressure: mmHg) 90–190

**Normal Range :systolic 120 mm Hg.**

**Elevated blood pressure. The top number ranges from 120 to 129 mm Hg**

**Stage 1 hypertension. The top number ranges from 130 to 139 mm Hg**

**Stage 2 hypertension. The top number is 140 mm Hg or higher**

**Higher than 180 mm Hg is considered a hypertensive emergency or crisis.**

- PR (pulse rate) (ppm) 50–110

**Adults: 60 to 100 beats per minute (bpm)**

- FBS (fasting blood sugar) (mg/dl) 62–400

**Normal Range (No Diabetes):**

- 70–100 mg/dL (3.9–5.6 mmol/L)
- Values 50–70 mg/dL (2.8–3.9 mmol/L) may also be considered "normal" in some cases.

**Prediabetes Range:**

- 100–125 mg/dL (5.6–6.9 mmol/L)

**Diabetes Diagnostic Level:**

- 126 mg/dL (7.0 mmol/L) or higher on two separate tests indicates diabetes.

- Cr (creatinine) (mg/dl) 0.5–2.2

**Normal range for women : 0.5-1.1 , for men: 0.7-1.3**

- TG (triglyceride) (mg/dl) 37–1050

**Normal : 0 -150 milligrams per deciliter (mg/dL)**

- LDL (low density lipoprotein) (mg/dl) 18–232

**Normal: 0 - 100 milligrams per deciliter (mg/dL)**

- HDL (high density lipoprotein) (mg/dl) 15–111

**Normal:40-60 milligrams per deciliter (mg/dL)**

- BUN (blood urea nitrogen) (mg/dl) 6–52

**Normal:**

**Adult women and people assigned female at birth.Between 6 and 21 mg/dL.**

**Adult men and people assigned male at birth.Between 8 and 24 mg/dL.**

- ESR (erythrocyte sedimentation rate) (mm/h) 1–90

### **Age Groups and ESR Reference Ranges:**

- **Age: 0–50 years**
  - **Male: < 15 mm/h**
  - **Female: < 20 mm/h**
- **Age: 51–85 years**
  - **Male: < 20 mm/h**
  - **Female: < 30 mm/h**
- **Age: > 85 years**
  - **Male: < 30 mm/h**
  - **Female: < 42 mm/h**

- HB (hemoglobin) (g/dl) 8.9–17.6

**Normal range :Female – 11.5 -15.5 ,Male—12.5-17.5**

- K (potassium) (mEq/lit) 3.0–6.6

**Normal Range :3.5-5.5 millimoles per liter (millimol/L)**

- Na (sodium) (mEq/lit) 128–156

**Normal Range : 136-145 millimoles per liter (millimol/L)**

- WBC (white blood cell) (cells/ml) 3700–18,000

**4,000,000to11,000,000cells/mL Or 4,000 to 11,000 cells/μL**

- Lymph (Lymphocyte) (%) 7–560

**About 20%-40% of your white blood cells are lymphocytes**

- Neut (neutrophil) (%) 32–89

**often normal range: 40% to 60%**

- PLT (platelet) (1000/ml) 25–742

**Normal Range: 150,000–450,000 per ml**

- EF (ejection fraction) (%) 15–60

**Normal EF (55%-70%):** Indicates good heart function with adequate pumping capacity.

## **Sex**

- **Male**
  - **Normal: 52% to 72%**
  - **Mildly Abnormal: 41% to 51%**
  - **Moderately Abnormal: 30% to 40%**
  - **Severely Abnormal: Below 30%**
- **Female**
  - **Normal: 54% to 74%**
  - **Mildly Abnormal: 41% to 53%**
  - **Moderately Abnormal: 30% to 40%**
  - **Severely Abnormal: Below 30%**

- Region with RWMA (regional wall motion abnormality) 0, 1, 2, 3, 4

**Score 0: Normal wall motion (no abnormality).**

**Score 1: Hypokinesis (mildly reduced contraction).**

**Score 2: Akinesis (no movement, usually indicative of infarction or ischemia).**

**Score 3: Dyskinesis (abnormal, often paradoxical wall motion).**

**Score 4: Aneurysmal (thin, dilated, and often scarred myocardial tissue).**