

****Patient Information****

Name: John Doe

Patient ID: JD12345

Age: 45

Gender: Male

Date of Report: August 10, 2025

Physician: Dr. Emily Carter

****Test Type: Comprehensive Metabolic Panel (CMP)****

****Collection Date:**** August 9, 2025

****Lab: City Diagnostics Lab****

****Results:****

- Glucose: 110 mg/dL (Reference Range: 70-99 mg/dL) [High]
- Cholesterol, Total: 240 mg/dL (Reference Range: <200 mg/dL) [High]
- LDL Cholesterol: 150 mg/dL (Reference Range: <130 mg/dL) [High]
- HDL Cholesterol: 45 mg/dL (Reference Range: >40 mg/dL) [Normal]
- Triglycerides: 180 mg/dL (Reference Range: <150 mg/dL) [High]
- Blood Pressure: 130/85 mmHg (Reference Range: <120/80 mmHg) [Elevated]

****Clinical Notes:****

Patient presents with elevated cholesterol levels, particularly LDL, indicating a risk for cardiovascular disease. Glucose levels are slightly elevated, suggesting prediabetes. Blood pressure is borderline hypertensive. No reported symptoms of chest pain or shortness of breath.

****Recommendations:****

- Initiate lifestyle modifications: low-fat diet, increased physical activity (30 min/day, 5 days/week).
- Consider statin therapy (e.g., atorvastatin 20 mg daily) for cholesterol management.
- Schedule follow-up in 3 months to recheck lipid panel and glucose levels.