

Comprehensive Health Report

Demo Medical Labs

December 5, 2025

Patient Information

- **Patient Name:** Demo User
- **Date:** 2025-12-05
- **Age:** 45
- **Report ID:** HRA-2025-001

Laboratory Results Summary

GLUCOSE METABOLISM

Test	Result	Units	Reference Range
Fasting Blood Glucose	145	mg/dL	70 – 100
HbA1c	7.8	%	< 5.7

LIPID PROFILE

Test	Result	Units	Reference Range
Total Cholesterol	220	mg/dL	< 200
LDL Cholesterol	165	mg/dL	< 100
HDL Cholesterol	50	mg/dL	> 40
Triglycerides	130	mg/dL	< 150

HEMATOLOGY (BLOOD COUNT)

KIDNEY FUNCTION

Test	Result	Units	Reference Range
Hemoglobin	10.5	g/dL	12.0 – 15.5
Red Blood Cell Count (RBC)	4.2	$10^6/\mu\text{L}$	4.0 – 5.5
White Blood Cell Count (WBC)	6.8	$10^3/\mu\text{L}$	4.5 – 11.0
Platelet Count	250	$10^3/\mu\text{L}$	150 – 450

Test	Result	Units	Reference Range
Creatinine	0.9	mg/dL	0.6 – 1.2
BUN	15	mg/dL	6 – 20

Physician's Notes (For AI Testing)

This report indicates elevated glucose and cholesterol levels, consistent with pre-diabetic/diabetic range and dyslipidemia. Hemoglobin is also slightly low, suggesting mild anemia. Dietary and lifestyle modifications are strongly recommended. A comprehensive, personalized diet plan should be prepared.