

# Clinical Risk Assessment Report

## Patient Profile

Age: 45.0 years	Gender: Male
BMI: 34.0	Glucose: 98.0 mg/dL
HbA1c: 8.0%	Smoking: never

## Risk Assessment

Risk Level: HIGH (Score: 0.72)

## AI Clinical Summary

This patient has an elevated diabetes risk score of 0.72 (score range: 0 to 1). The primary contributing factor is HbA1c level (increases risk), followed by blood glucose level (decreases risk) and Glucose-HbA1c interaction (increases risk). Recommendations include maintaining optimal glycemic control, managing diabetes with lifestyle modifications or pharmacological treatment as appropriate. Regular monitoring of HbA1c levels is essential to assess the effectiveness of management strategies.

*Disclaimer: This report is generated by an AI system (BioMistral-7B + XGBoost). It is for informational purposes only and does not constitute a medical diagnosis. Please consult a specialist.*