

Medical Readmission Risk Assessment Report

Humber College Institute of Technology & Advanced Learning
Capstone Project - Computer Programming
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Generated: July 16, 2025 at 6:04 PM

Patient Information

Age Group: [70-80)

Time in Hospital

(days): 7

Discharge

Disposition: 1

Number of

Medications: 15

Medical Procedures:

3

Previous Inpatient

Visits: 2

Previous

Emergency Visits: 1

Medication Change:

Ch

Max Glucose Serum:

>200

Metformin: Steady

Gender: Male

Admission Type: 1

Admission Source: 1

Lab Procedures: 45

Number of

Diagnoses: 5

Previous Outpatient

Visits: 3

Diabetes

Medication: Yes

A1C Test Result: >8

Insulin: Up

Primary Diagnosis:

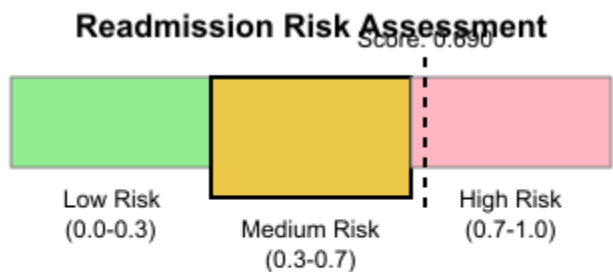
250.01

Risk Assessment Results

Readmission Risk Score: 0.690

Risk Level: **Medium Risk**

Model Confidence: 69.0%



AI-Generated Medical Insights

No specific medical insights available at this time.

Understanding Your Risk Score

The readmission risk score is calculated using advanced machine learning algorithms that analyze multiple patient factors including medical history, current medications, diagnosis codes, hospital stay characteristics, and previous healthcare utilization patterns.

Risk Categories:

- Low Risk (0.0-0.3): Minimal likelihood of readmission
- Medium Risk (0.3-0.7): Moderate readmission risk requiring attention
- High Risk (0.7-1.0): Elevated readmission risk requiring intensive follow-up

IMPORTANT MEDICAL DISCLAIMER:

This report is generated by an AI system for informational purposes only and should not be considered medical advice, diagnosis, or treatment recommendations. Always consult with qualified healthcare professionals for medical decisions. The predictions are based on statistical models and may not account for all individual patient factors.

Generated by SweatHogs Medical AI
Prediction System
Humber College Capstone Project |
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