Medical Readmission Risk Assessment Report

Humber College Institute of Technology & Advanced Learning
Capstone Project - Computer Programming
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Patient Information

Age Group: [70-80)

Gender: Male

Time in Hospital (days): 7

Admission Type: 1

Discharge Disposition: 1

Admission Source: 1

Number of Medications: 15

Lab Procedures: 45

Medical Procedures: 3

Number of Diagnoses: 5

Previous Inpatient Visits: 2

Previous Outpatient Visits: 3

Previous Emergency Visits: 1

Diabetes Medication: Yes

Medication Change: Ch

A1C Test Result: >8

Max Glucose Serum: >200

Insulin: Up

Metformin: Steady

Primary Diagnosis: 250.01

Risk Assessment Results

Readmission Risk Score: 0.690
Risk Level: Medium Risk
Model Confidence: 69.0%

Readmission Risk Assessment
Score: 0.690

Low Risk (0.0-0.3) Medium Risk (0.3-0.7) High Risk (0.7-1.0)
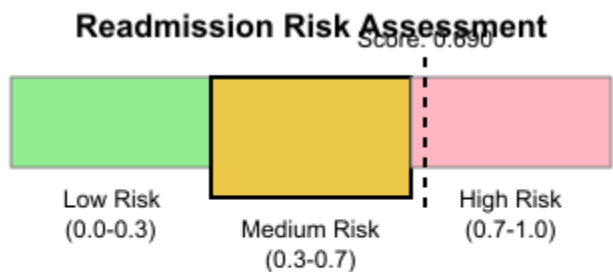
AI-Generated Medical Insights

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