# Medical Readmission Risk Assessment Report

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

**Age Group:** [60-70)

**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

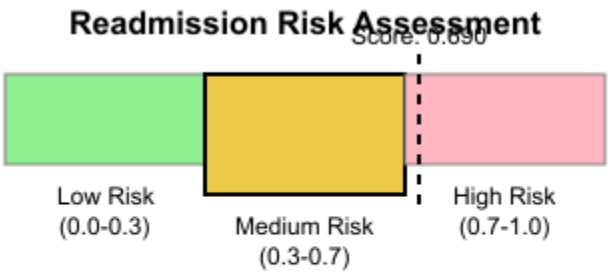
**A1C Test Result:** >8

**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



Generated by SweatHogs Medical AI Prediction System
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