

Machine Learning Prototype:

NHS Readmission Risk Dashboard

Mid Yorkshire Teaching NHS Trust

High Risk Patients

3

out of 5 total patients

Overall Readmission Rate

13.5%

down 1.2% from last month

Average Risk Score

67%

High Risk Patients

PATIENT	DIAGNOSIS	AGE	CHARLSON INDEX	RISK SCORE	ACTION
John Smith	COPD	76	4	82%	<a href="#">View Details</a>
Ahmed Khan	Pneumonia	82	5	91%	<a href="#">View Details</a>
Dorothy Lewis	Frailty	88	4	76%	<a href="#">View Details</a>

High Risk Patients

3

out of 5 total patients

Overall Readmission Rate

13.5%

down 1.2% from last month

Average Risk Score

67%

Most Deprived: 30%

Patient Risk Details

Patient: Ahmed Khan

Risk Score: 91%

Key Risk Factors:

- Advanced age (82 years)
- High comorbidity burden (Charlson Index: 5)

Recommended Interventions:

- Virtual ward monitoring for 14 days
- GP follow-up within 7 days
- Medication reconciliation
- District nurse home visit

Close

PATIENT	DIAGNOSIS	AGE	CHARLSON INDEX	RISK SCORE	ACTION
John Smith	COPD	76	4	82%	<a href="#">View Details</a>
Ahmed Khan	Pneumonia	82	5	91%	<a href="#">View Details</a>
Dorothy Lewis	Frailty	88	4	76%	<a href="#">View Details</a>