PointClickCare®

Readmission Risk Score Model

Machine learning	A type of computer program that uses patterns in data to predict outcomes.
RRS Model	Available in select PointClickCare solutions, this proprietary machine learning model is **used to predict the likelihood of a patient readmitting to a hospital within 30 days of an inpatient discharge** based on all-cause inpatient readmission patterns.
Risk Level Indicators	Low, Medium, High, and Very High
Use	Our RRS model supplements and may alleviate the time-consuming process of certain manual evaluations and root cause determinations, which can often overlook important indicators.
	By streamlining these processes and identifying those at higher risk, this model supports faster and more efficient intervention for those who need it most.
	Our RRS model supports:
	• Embedded clinical decision support
	• Dynamic indicators of risk to assist care teams in identifying and prioritizing patients for discharge planning and/or more intensive care
Model Implementation	RRS outperforms LACE (a simple index commonly used to predict readmissions) for predicting hospital readmissions. Performance metrics vary based on the current data received across our network. Your account team can provide the most current data if requested.
Model Implementation	The RRS model was trained on data from more than 18 million inpatient stays and patterns of events. Predictions for patients are generated in real time.
Risk Factors Measured	RRS considers readmission risk factors attributed to the patient and institutional components including:
	• Current visit details (type of visit, length of stay, admission and discharge information, payer type)
	• Demographics (age, gender, phone/address counts, homelessness, etc.)
	• Acute and chronic condition history
	• 12-month prior visit history
	• Hospital CMS quality scores
	• Additional detailed features

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PointClickCare is a leading healthcare technology platform enabling meaningful collaboration and access
to real-time insights at every stage of the patient healthcare journey.