

Readmission Risk Intelligence Dataset

RRID v1.0 — Read Me First

Welcome to RRID v1.0

Thank you for acquiring the Readmission Risk Intelligence Dataset from IntelligentPlatforms.net. This document provides essential guidance for working with this dataset.

Key Field Groups

Member_ID	Unique patient identifier (RRID-XXXXXXXX format)
Readmission_Flag	Whether a 30-day readmission occurred (True/False)
Readmission_Probability	Predicted readmission probability (0.0000–1.0000)
Readmission_Risk_Score	Readmission risk score (0–100); higher = greater risk
Preventable_Readmission_Flag	Whether the readmission was preventable (True/False)
HRRP_Flag	Whether the admission is subject to HRRP penalties (True/False)
HRRP_Penalty_Risk	Estimated HRRP penalty financial exposure (USD)
Avoidable_Cost	Estimated avoidable readmission cost (USD)
DRG_Code	CMS MS-DRG code for the admission
ICD10_Primary	Primary ICD-10-CM diagnosis code
LACE_Score	LACE index score (0–19); higher = greater readmission risk
Charlson_Comorbidty_Index	Charlson Comorbidity Index (0–15); higher = greater mortality risk
Priority_Score	Composite intervention priority score (0–100)

Technical Requirements

- Python 3.8+ with pandas, pyarrow for Parquet files
- Minimum 16 GB RAM recommended for full 1M-record dataset
- UTF-8 encoding; dates in YYYY-MM-DD (ISO 8601) format
- Boolean fields: True/False string values
- Probability fields range 0.0000–1.0000 (4 decimal places)