

PRODUCT BRIEF · CURO46

CuroSignal: Explainable AI Risk Platform for Patient Care.

Predicts return to the hospital within a 24h window, up to 2 weeks in advance, with up to 98% accuracy. Built for skilled nursing and post-acute care teams.

UP TO

98%

ACCURACY

UP TO

98.5%

AUC*

UP TO

98.7%

SENSITIVITY**

MICROSOFT SIGN-IN

DEMOS ON FAKE PATIENTS/FACILITIES

NATIVE TO MATRIXCARE

AUC**: The model's ability to correctly rank patients by return-to-hospital risk. *Sensitivity**: The share of true return-to-hospital events the model identifies.

CuroSignal · A Curo46 platform

Available on Microsoft Marketplace

Executive summary

Why clinical and operational leadership are deploying CuroSygnal across post-acute networks.

The problem. Rehospitalization is a major controllable driver of post-acute margin compression, Five-Star penalties, and value-based purchasing risk. Many early-warning tools generate alert noise that clinical teams learn to tune out, eroding trust in the signals that need attention.

The CuroSygnal posture. CuroSygnal is clinical AI that surfaces residents with elevated risk indicators, with the contributing clinical signals visible behind every score. It is engineered for clinical precision and positioned firmly as a clinical decision support tool. Clinicians retain full decision-making authority.

What CuroSygnal enables. Your nurses see which residents have elevated risk indicators, and the contributing clinical signals behind each score. Clear explainability supports confident clinical direction; every decision stays with the clinician.

Validated performance. CuroSygnal's underlying technology has been validated in production across multi-facility post-acute deployments. Three distinct performance metrics, each stated with its context:

PERFORMANCE METRICS

METRIC	VALUE	WHAT IT MEANS
Accuracy	UP TO 98%	Overall proportion of correct return-to-hospital predictions made within a 24h window, up to 2 weeks in advance of admission.
AUC*	UP TO 98.5%	Threshold-independent discrimination (area under the ROC curve). Captures the model's ability to rank true cases above non-cases.
Sensitivity**	UP TO 98.7%	True-positive rate at the best operating threshold. Share of true return-to-hospital events caught.

*AUC: The model's ability to correctly rank patients by return-to-hospital risk. **Sensitivity: The share of true return-to-hospital events the model identifies.

WHY THIS MATTERS

CuroSygnal is engineered for clinical precision. The contributing clinical signals are visible behind every score, supporting independent clinician review and confident interpretation in clinical context.

What your team gets

Core platform features included in every CuroSygnal deployment.

CLINICAL RISK INTELLIGENCE

- **Hot Rack ranked patient queue.** Prioritized list of residents with elevated risk indicators, with the contributing clinical signals visible on every score.
- **Engineered for clinical precision.** High signal-to-noise, so the care team can trust what surfaces.
- **Up to 2-week forward-looking window.** Lead time to assess emerging risk signals and exercise clinical judgment before a potential return-to-hospital event.
- **Feature-level explainable AI.** Every risk score is traceable to the contributing clinical signals, supporting independent clinician review of each output.
- **Trend forecasting.** Surfaces the contributing "triggering" observations behind a rising risk score so clinicians can interpret the signal in context.

OPERATIONS AND ACCESS

- **Census view.** Live in-house, occupied, and available beds across single or multi-facility operations.
- **Insurance and payer view.** Coverage, authorizations, and payer mix in one place, ready for the business office.
- **Role-based dashboards and user access controls.** Facility-scoped, region-scoped, and executive views governed by your identity tenant.
- **Microsoft sign-in.** Authenticate with your Microsoft identity. Audit trail included.
- **Native to MatrixCare.** Integrates with any EHR platform. Contact us for integrations.

Pricing surfaces in the demo conversation. Enterprise terms tailored to facility footprint, payer mix, and integration scope.

Compliance and regulatory posture

CuroSygnal is built within the boundaries of the FDA Clinical Decision Support (CDS) exemption.

INTENDED USE

CuroSygnal is a clinical decision support tool intended for use by licensed healthcare providers and their care teams in skilled nursing, post-acute, and acute hospital settings. The platform surfaces risk information and the contributing clinical signals behind each score, to support clinical judgment.

NOT A MEDICAL DEVICE

CuroSygnal is not Software as a Medical Device (SaMD) under 21 USC §360j(o) and the FDA Final Guidance on Clinical Decision Support (Sept 2022). The platform meets the four-prong non-device test:

- Does not acquire or analyze signals directly from a medical device. Operates on EHR / MDS / clinical documentation data.
- Displays and analyzes medical information about a patient.
- Provides risk information to licensed HCPs, not directly to patients.
- Surfaces the contributing clinical signals behind every score, enabling the HCP to independently review the basis for each risk output.

Out of scope. CuroSygnal does not diagnose conditions, recommend specific treatments, dose medications, or autonomously alter clinical care plans. Final clinical decisions remain with the licensed clinician.

PRIVACY, SECURITY, AND INTEGRATION

ENCRYPTED IN TRANSIT AND AT REST

Data secured using industry-standard protocols. TLS for every exchange, encryption at rest on Azure.

MICROSOFT SIGN-IN

Authenticate with your Microsoft identity. Audit trail included.

NATIVE TO MATRIXCARE

First-class integration with MatrixCare. Integration available for any EHR platform. Contact us for details.

MICROSOFT MARKETPLACE

Available on Microsoft Commercial Marketplace. Purchases count toward your Azure Consumption Commitment (MACC).

See it in action

The fastest way to evaluate CuroSygnal is to see the platform run on Curo46-hosted fake data.

A Curo46 product or sales lead will walk you through CuroSygnal in a 30-minute working demo. The session covers:

- **Hot Rack in motion.** How the ranked queue surfaces residents for review, and the contributing clinical signals visible on every score.
- **Explainability at the chart level.** How feature-level attribution supports clinician review of each output.
- **Integration footprint.** How CuroSygnal connects to MatrixCare today, and integration paths for other EHR platforms.
- **Scoping and licensing.** How CuroSygnal is sized and priced to your facility footprint.
- **Privacy posture.** How no PHI is exchanged in the sales cycle, and how the Business Associate Agreement is structured for production use.

Book a 30-minute demo

ggi.cal.com/curosygnal

or email sales@ggenomics.com

30-minute working session on fake patients/facilities.