Putting the Forecast Model to the Test

SystemView > Explore > Beds > Inpatient Occupancy Forecaster > Historical Analysis

Purpose of the Tool

Improve tomorrow's inpatient forecasts by understanding how well the model has performed in the past. The **Historical Analysis** tool allows users to review the historical accuracy of inpatient occupancy forecasts at various levels – day of week, forecast days, division, and ward.

This data-driven reflection helps to:
* **Evaluate** model performance and error patterns.
* **Understand** where forecasts have been more or less accurate.
* **Guide refinements and trust** in the predictive modelling in SystemView.

It's a powerful way to turn retrospective insights into better planning decisions today.

Key Features & Functionality

♦ **Forecast Accuracy at a Glance:** See how close forecasts were to actual occupancy and quickly spot where the model performs well—or needs improvement.

♦ **Time-Based Analysis:** Explore how accuracy varies by **day of the week** and how far in advance the forecast was made using the **Forecast Days** filter – helping you spot patterns and plan with more confidence.

♦ **Division and Ward Insights:** Use the filters to drill down by division or ward to see where forecasts have been more or less accurate and identify areas that may need closer attention.

♦ **Forecast vs Actual Comparison:** Compare forecasts to actual occupancy from one to four weeks ago to spot differences and support better planning.

Why It Matters

Look Back to Plan Ahead

Historical Analysis helps hospital teams reflect on how accurate their occupancy forecasts have been – highlighting what's working and what needs adjustment.

With a clear view of past performance, teams can build trust in the model, improve future predictions, and make more confident decisions about beds, staffing, and patient flow.

Support smarter planning with **evidence**, **not assumptions**.

HealthCare Logic

SystemView