

AI Minimizes Scheduling Gaps

Healthcare Provider Uses AI to Forecast Nurse Scheduling Gaps

AI / Machine Learning | Power BI | Azure Databricks

PROBLEM

- Diverse team of nurses across multiple locations
- Frequent unplanned absences and scheduling gaps
- Need to maintain care ratios of care providers to patients

SOLUTION + RESULT

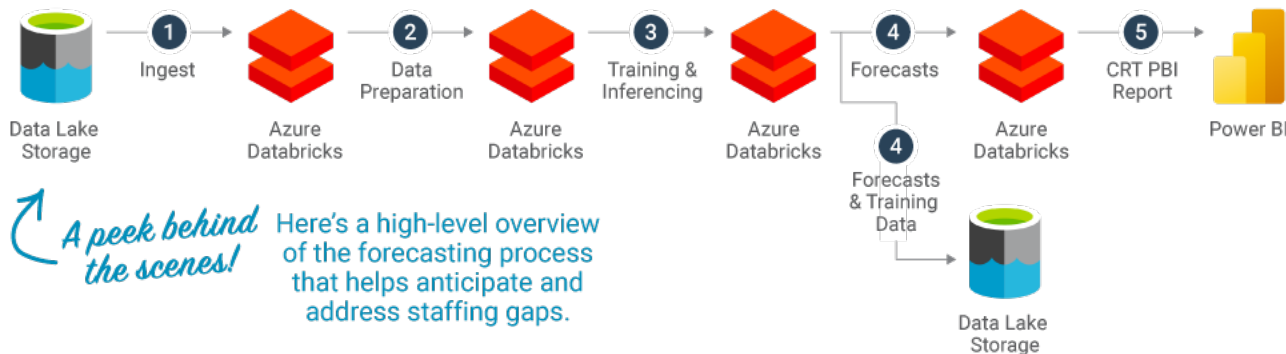
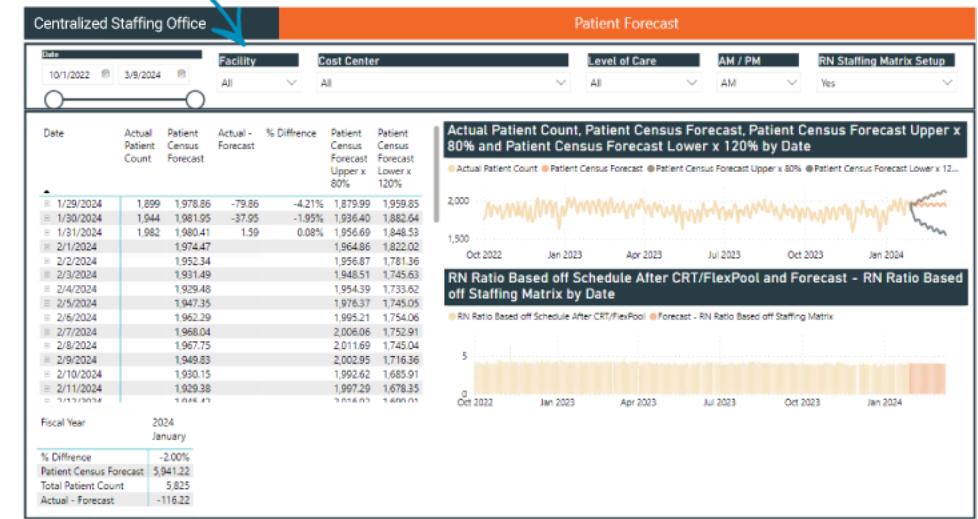
- Use of predictive insights generated by machine learning
- Eliminating idle providers due to overscheduling
- Improved gap visibility and coverage across all locations

AI COMPLEXITY LEVEL

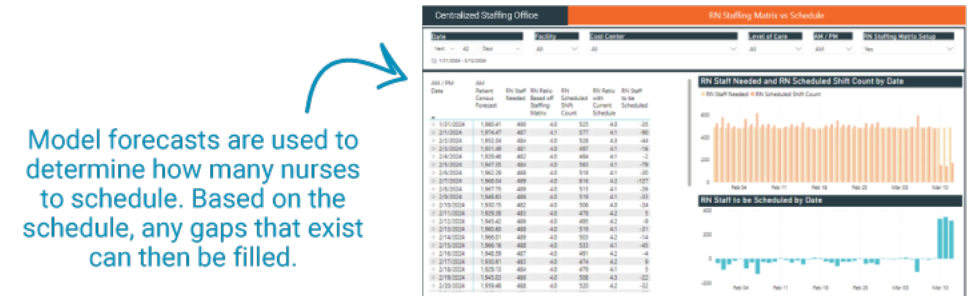


Drill down by location, cost center, level of care and shift.

Power BI powerhouse!
Power BI dashboard displays the forecast, its prediction interval and how the forecast compares to actuals.



A peek behind the scenes!
Here's a high-level overview of the forecasting process that helps anticipate and address staffing gaps.



Model forecasts are used to determine how many nurses to schedule. Based on the schedule, any gaps that exist can then be filled.