

# FP&A analytics from planful (Pediatric healthcare provider)

- Build FP&A Analytics dashboards presenting various financial KPIs ranging across P&L metrices, operational metrices and cost & staffing metrices.
- Leverage Planful source data to create automated Power BI dashboards

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## FP&A analytics for pediatric healthcare provider

#### Situation

- The client relied on front-end data from Planful to report and track its business performance. However, the process of consolidating the data from Planful and updating the reports was manual and time-consuming.
- Merilytics partnered with the client to build automated dashboards by creating data pipelines from Planful and provide key insights through revenue and expenses waterfall showing Budget/Prior to Actuals variance contributors

#### Accordion Value Add

- Setup automated data ingestion from the Planful data source using Azure Data Factory and Databricks Delta Live Table pipelines
- Developed analytical models for various financial KPIs and performed in-depth data & dashboards functionality validation
- Built comparative analysis for the financial KPIs against budget and previous year, which enabled the assessment and evaluation of financial performance
- · Built self-serve BI dashboards that provided qualitative financial analysis to derive relevant insights quickly
- Consolidated financial raw data for the client at different levels of hierarchies and segmentation from Planful. Mapping was created at 9 different levels in Azure Data Factory which enabled multiple slices of the analysis and reporting consolidations, thereby, creating a single source for assessing financial performance for different entities and locations.

#### **Impact**

- Availability of Financial KPIs/metrics on a real-time basis helped to monitor and track operations performance at an enterprise level
- Elimination of any manual efforts considerably reduced turnaround time for assessing and analyzing financial performance
- Estimated savings of 7-8 man-days/week (annual savings of ~100K USD)
- Scalable Azure-based data tables and pipelines that could be leveraged with minimal effort to enhance and build additional financial metrics

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## Methodology/ Approach

#### **Data sources**

- Planful REST API end points.
- GL data based on scenario codes like actual and budget.
- Mapping related data from segment end points

#### **Challenges**

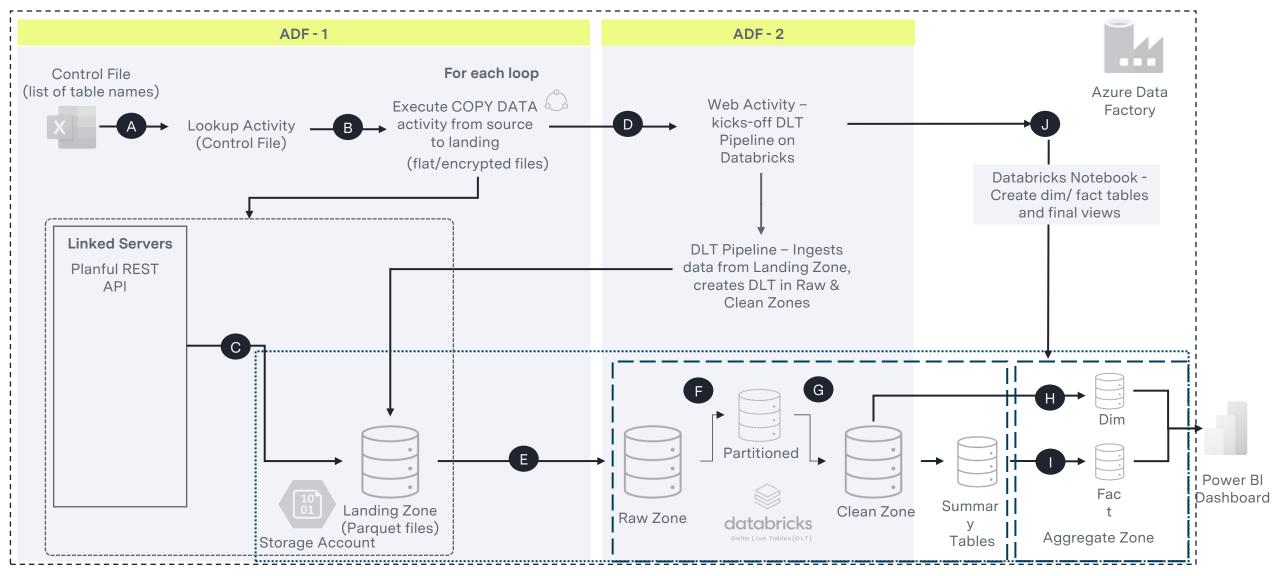
- Hierarchy of revenue and expense line items were not consistent across the reports and it necessitated understanding nuances from lowest to the highest levels in the hierarchy
- Understanding the tree structures of the Planful source data which was leveraged for data consolidation in the dimension tables by mapping the parent child relationships. 9 levels of hierarchy was created for consolidation and KPIs.
- Extensive validations were required due to the nature and complexity of the existing financial reports contributed by the spread of client's business across entities and locations

#### Value-add

- Built an exhaustive suite of automated Bl dashboards for the Finance function, providing insights into the performance of Financial and Operational KPIs
- Conducted detailed validations to ensure data accuracy and consistency for the various financial metrics
- Eliminated manual efforts of preparing the exhaustive and detailed analysis for the client's finance team
  - Estimated man-hour savings of 50-60 weekly hours
  - Annual cost savings of ~100K USD
- Scalable data tables that can be leveraged to create additional analysis for the future

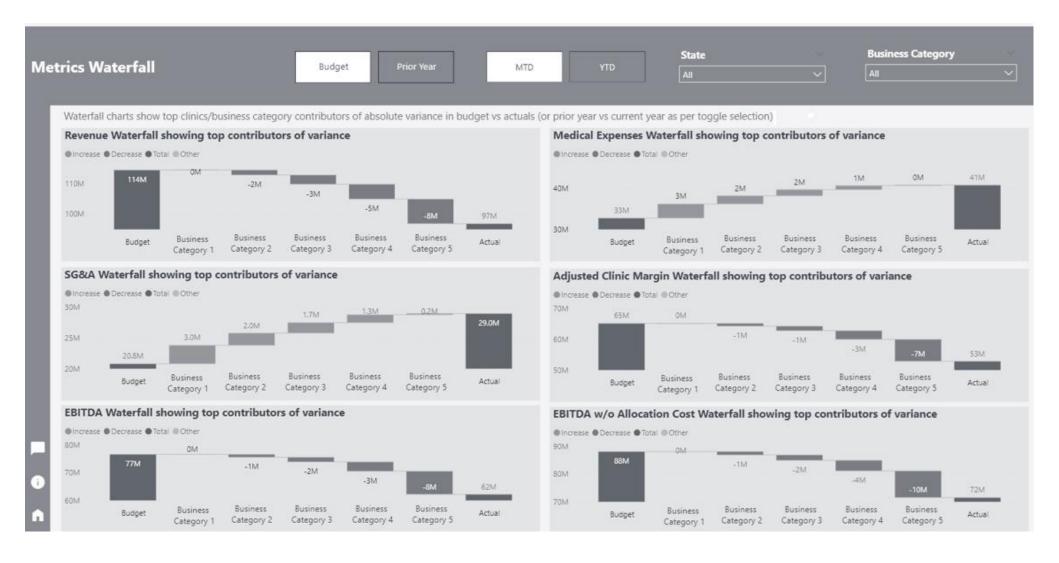


# Data architecture - Low level diagram (LLD)



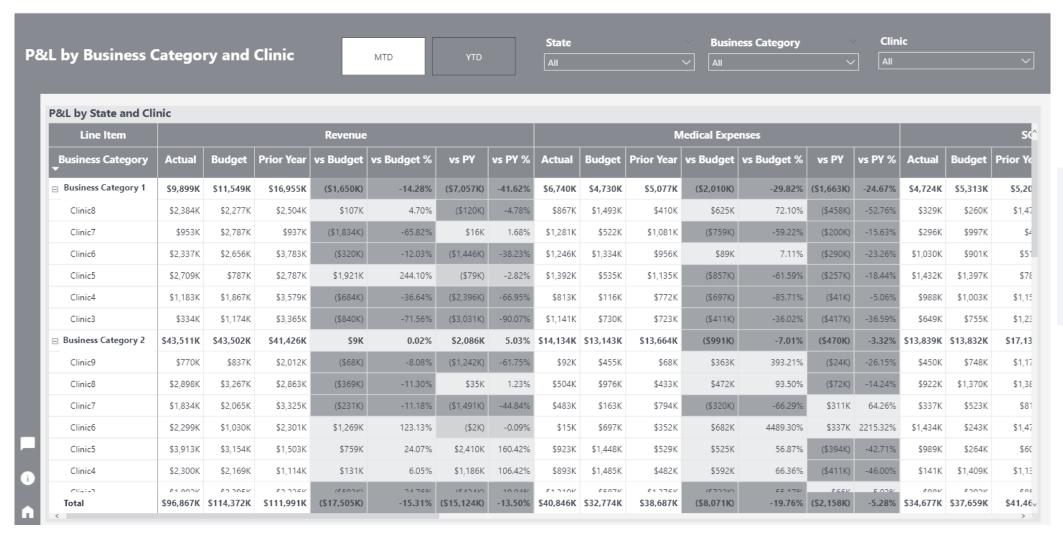
<sup>\*</sup> Partitioned table contain quarantine as well as nonquarantined data.

## **Metrics waterfall**



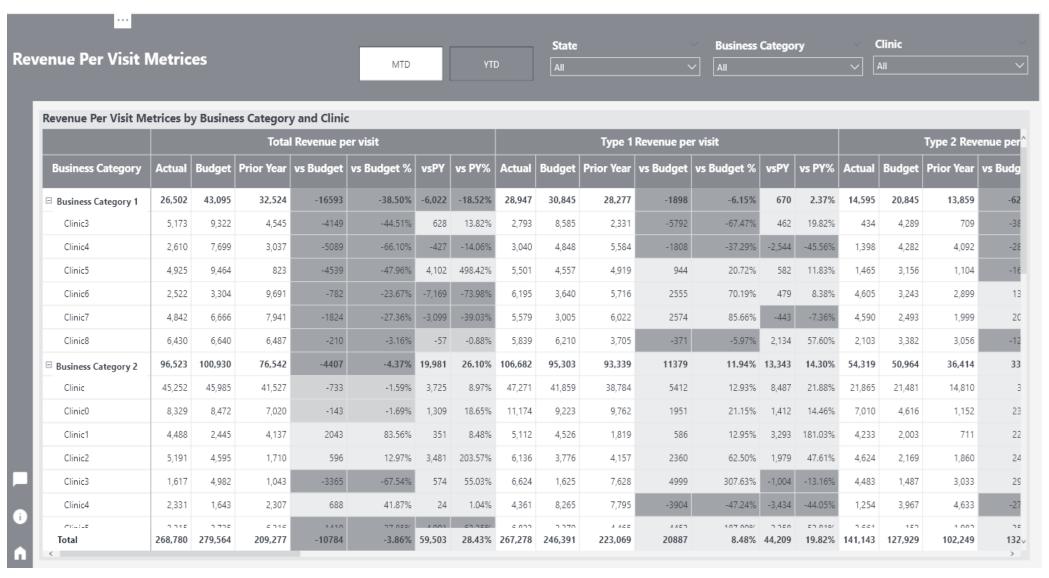
The charts show the top contributors for the variance of actual revenue and expenses as compared to Budget/Prior Year at MTD and YTD levels

## P&L break-up



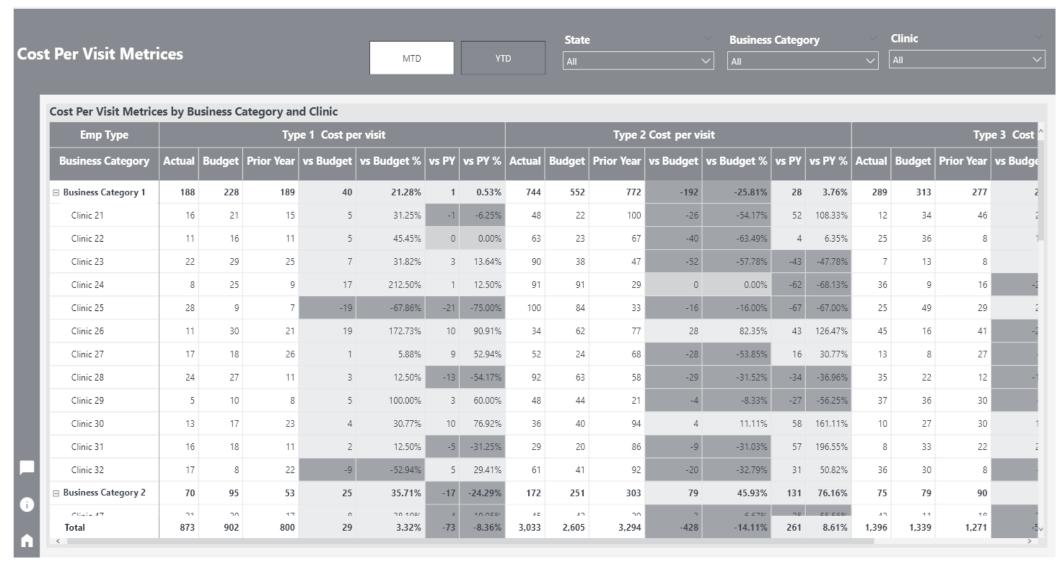
The visual depicts the clinic wise Revenue and Expenses for different business categories and provides a comparative of Actuals Vs Budget and Pervious Year

## Per visit metrics for different revenue heads



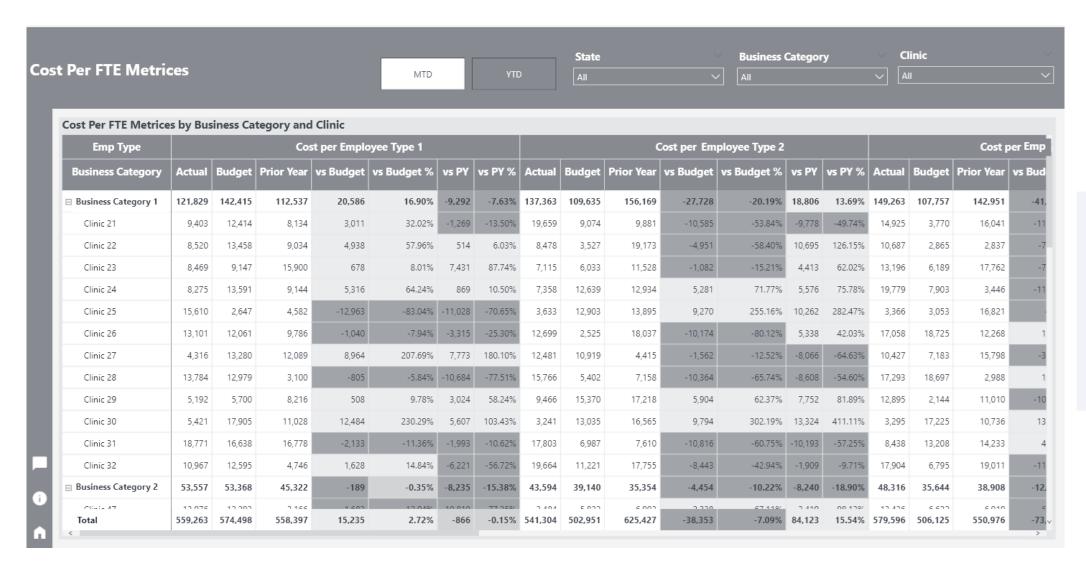
The visual depicts the clinic wise Revenue per Visit, which is rolled up to business categories, and provides a comparative of Actuals Vs Budget and Pervious Year

## Per visit metrics for different cost heads



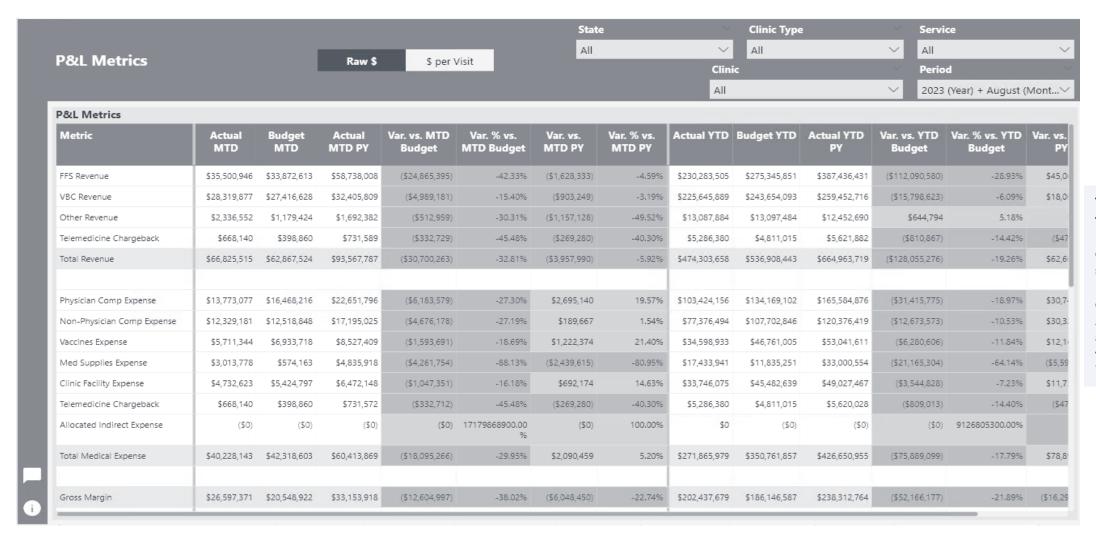
The visual depicts
the clinic wise Cost
per Visit, which is
also rolled up to
business categories,
and provides a
comparative of
Actuals Vs Budget
and Pervious Year

# Per FTE (full time equivalent) for different cost heads



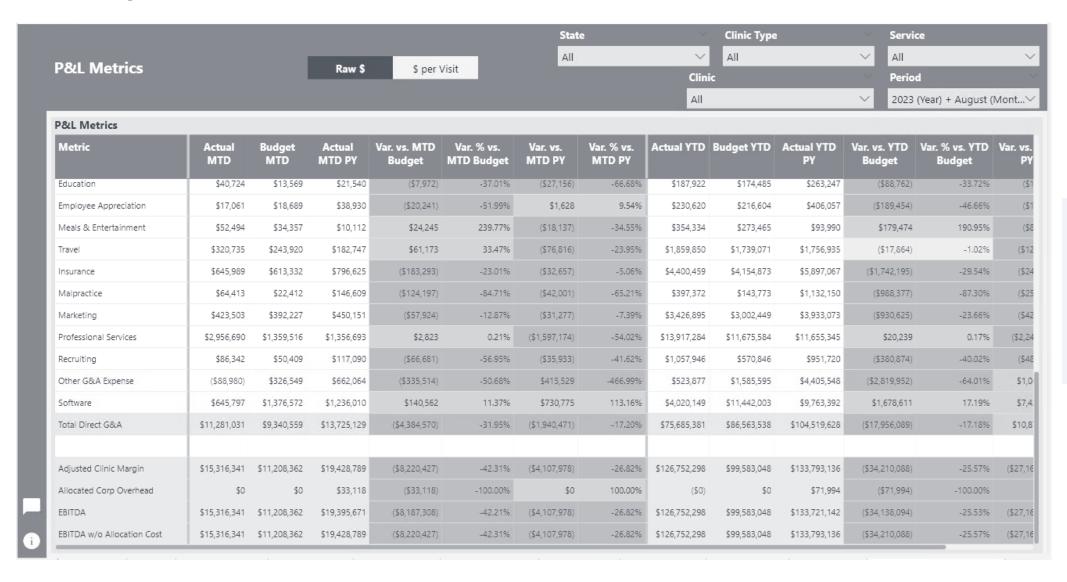
The visual depicts the clinic wise
Compensation Cost per FTE (Full Time Equivalence), which is also rolled up to business categories, and provides a comparative of Actuals Vs Budget and Pervious Year

# Transposed P&L view (1/2)



The visual depicts the Key Financial Metrices and their distribution among subcategories and provides a comparative of Actuals Vs Budget and Pervious Year for both MTD and YTD.

# Transposed P&L view (2/2)



The visual depicts the key Financial Metrices and their distribution among subcategories and provides a comparative of Actuals Vs Budget and Pervious Year for both MTD and YTD.