Category: Resource Management and Finance – Work in progress

Portfolio360 – "It All Started with a Spreadsheet"

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1. Background

Clinical research sites' disease programs and portfolio management have boiled down to daily oversight of balance between scientific, patient, and financial impact. In practical terms, daily tracking of patient enrollment, changes to the portfolio framework by protocol types, and clinical trials revenue; are all required to evaluate sustainability of each trial. These three categories are interconnected metrics with goals that align with annual institutional and Cancer Center Support Grant (CCSG) goals. Portfolio360, a Power BI-developed management and tracking tool was presented at Moffitt Cancer Center (MCC) Clinical Research Medical Director (CRMD) and Leadership retreat in 2023. In prior years, monthly reports were exported from Oncore, Clinical Trial Management System (CTMS), and combined into one Excel workbook with 20+ tabs by trials operations managers. It took several hours to run the reports, collate the data, and provide comprehensive analysis to help CRMDs with making decisions on accrual and financial strategies. Replacing the Excel workbook with Portfolio360 dashboard was a great stride toward saving manual hours and enhancing research program's ability to perform rapid, timely and comprehensive 360-degree review of trial portfolio performance.

2. Goals

We aimed to build a dashboard with ability to measure daily Key Performance Indicators (KPIs) that assess the performance of clinical trials accrual, financial and scientific impact in a portfolio and trial-specific manner and provide this visibility to leadership, Principal Investigators and CRMDs at any given time. Finally, we sought to align individual KPIs and tracking of institutional and CCSG goals.

3. Solutions and Methods

The reports were no longer pulled manually but were synced across the site's CTMS and financial sources. Filters were applied to allow for review by Fiscal Year (FY) or calendar year, along with numerous filters for deeper drill-down and analysis.

4. Outcomes

The data that was previously analyzed and pulled manually is now available daily with the click of a button in Portfolio360, allowing users to make data-driven decisions.

The first landing page in Portfolio360 shows Program Portfolio Summary reporting over 15 KPIs. The KPI summary review shows portfolio framework percentage by trial types, phases and sponsor type. Additionally, it provides daily, weekly, and monthly KPIs related to all aspects of patient enrollment relative to the trial portfolio goals. The monthly and year-to-date clinical trials revenue is reported and compared to forecast, including expense ratio by program. Each subsequent tab allows for further drill-downs to each KPI measured. Accrual pace is reviewed to measure trial expected versus actual performance and helps CRMDs with keeping a pulse on when a trial requires strategy and marketing offices involvement, specifically when accruing slower than anticipated.

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5. Lessons Learned and Future Directions

The Portfolio360 is continuously validated to ensure accurate data reporting. Individual tabs are fine-tuned and continuously enhanced as requested by leadership and CRMDs. Future direction includes accessing Moffit's data warehouse as source and bringing in data from systems beyond our CTMS. Finally, the 360 serves as a knowledge-sharing tool that provides insight into individual program performance and drives weekly dialogue among operational leaders to share best practices learned from one another.