

Background

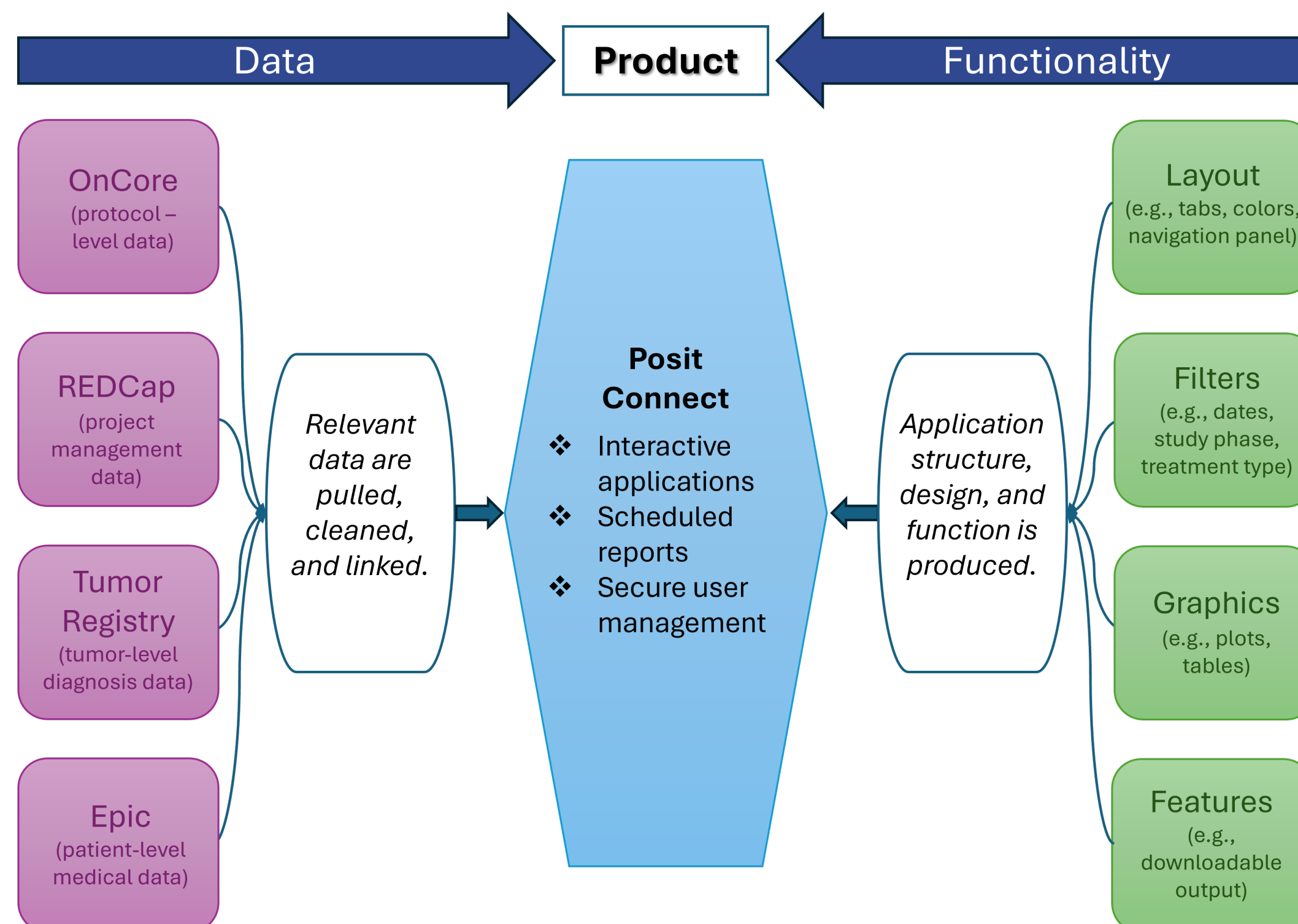
- Data-driven decision-making is essential across all phases of the clinical trial continuum within the Clinical Trial Organization (CTO).
- Access to structured, interpretable data that is readily available and tailored to specific tasks is, therefore, essential to the CTO.
- The SKCCC CTO team partnered with the Clinical Trial Analytics group to develop a suite of applications designed for use across CTO functions.

Goals

The goal of this initiative is to make relevant information readily available to CTO staff and leadership through a robust data analytics platform, allowing for self-service access to custom and frequently requested data that supports clinical trial efficiency and visibility across the clinical trial continuum.

Methods

- CTO users submit requests for applications through a ticketing system.
- The CTA team reviews the request and meets with the CTO user to gain clarity and discuss priorities and options for meeting the request.
- Custom applications pull from multiple data sources and are published to Posit Connect as interactive websites, accessible only to specific users.

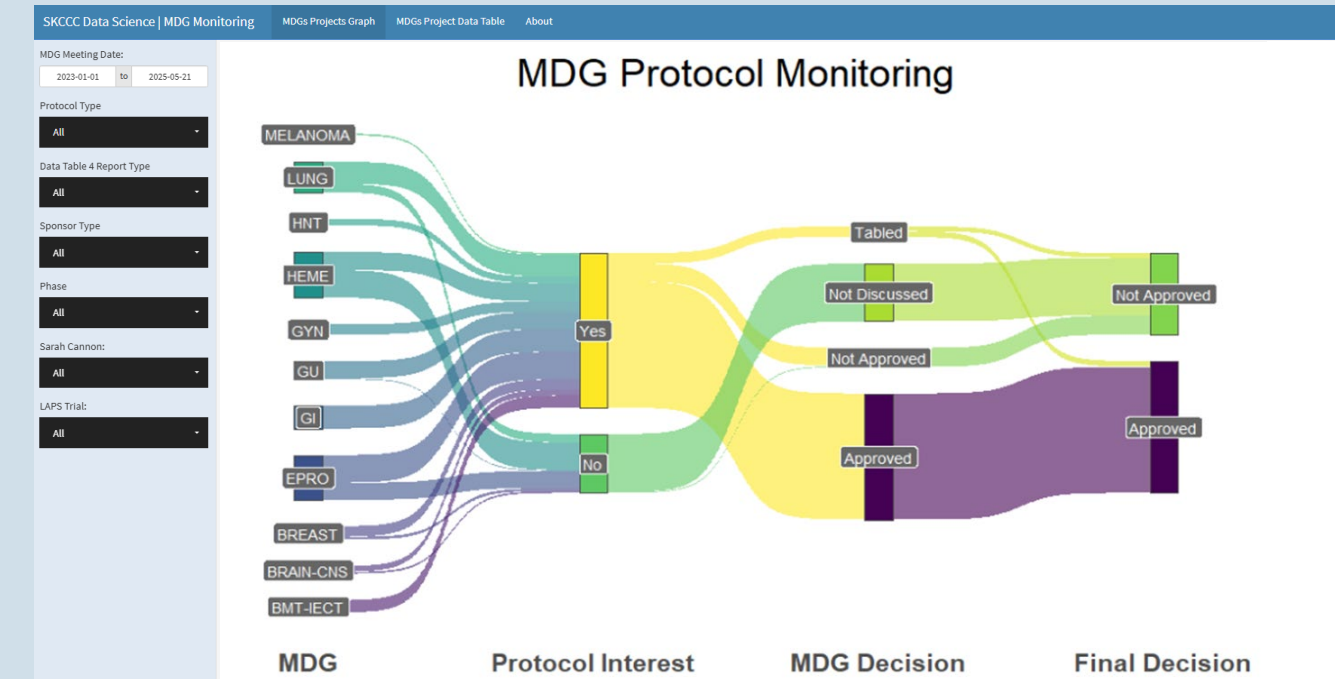


Example Applications

Study Startup

MDG Intake and Prioritization

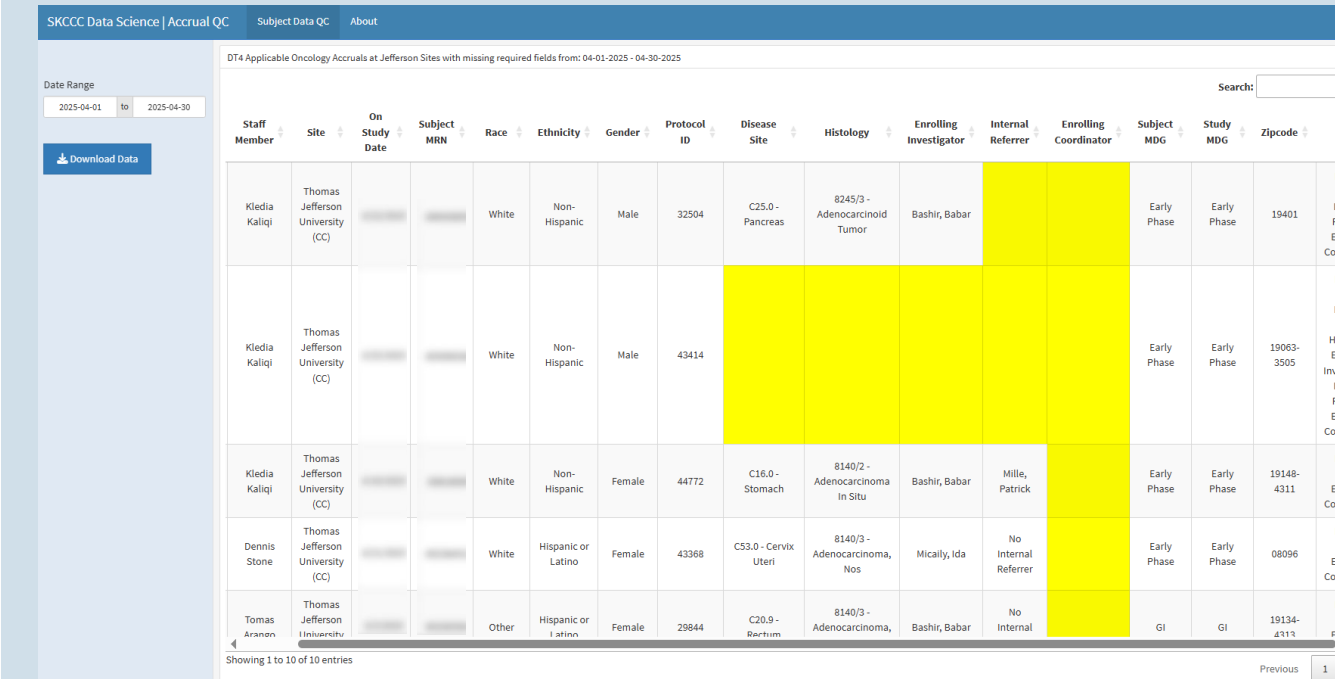
Monitors protocol progress through MDG approval process.



CTO Support

Accrual QC

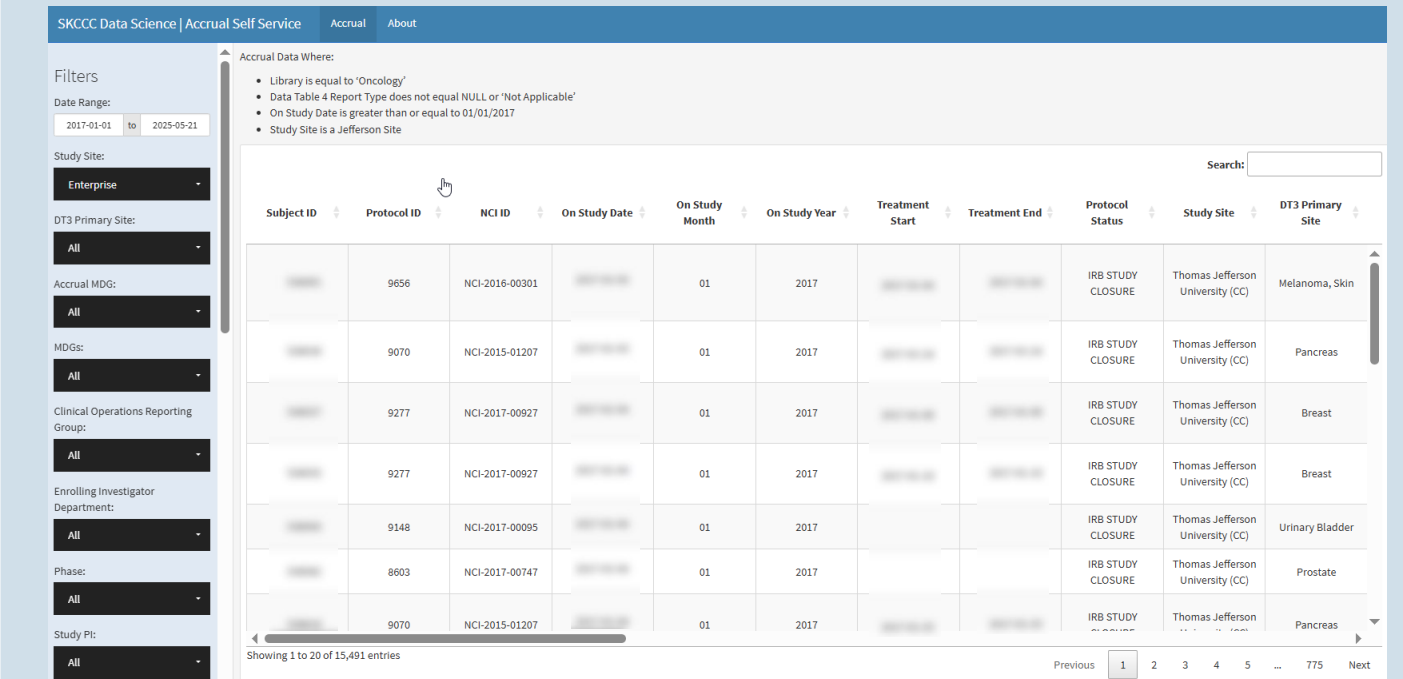
Flags accrual records where required fields are missing.



Reporting

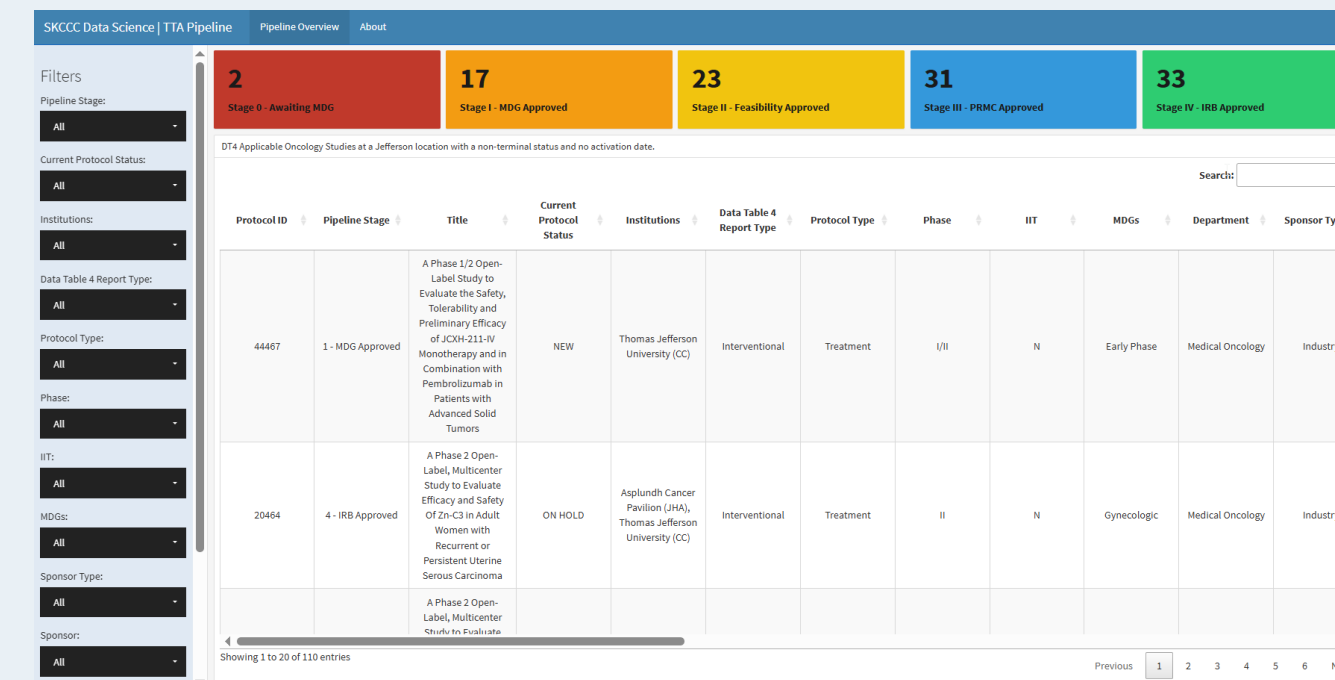
Accrual Self Service

Tracts accruals.



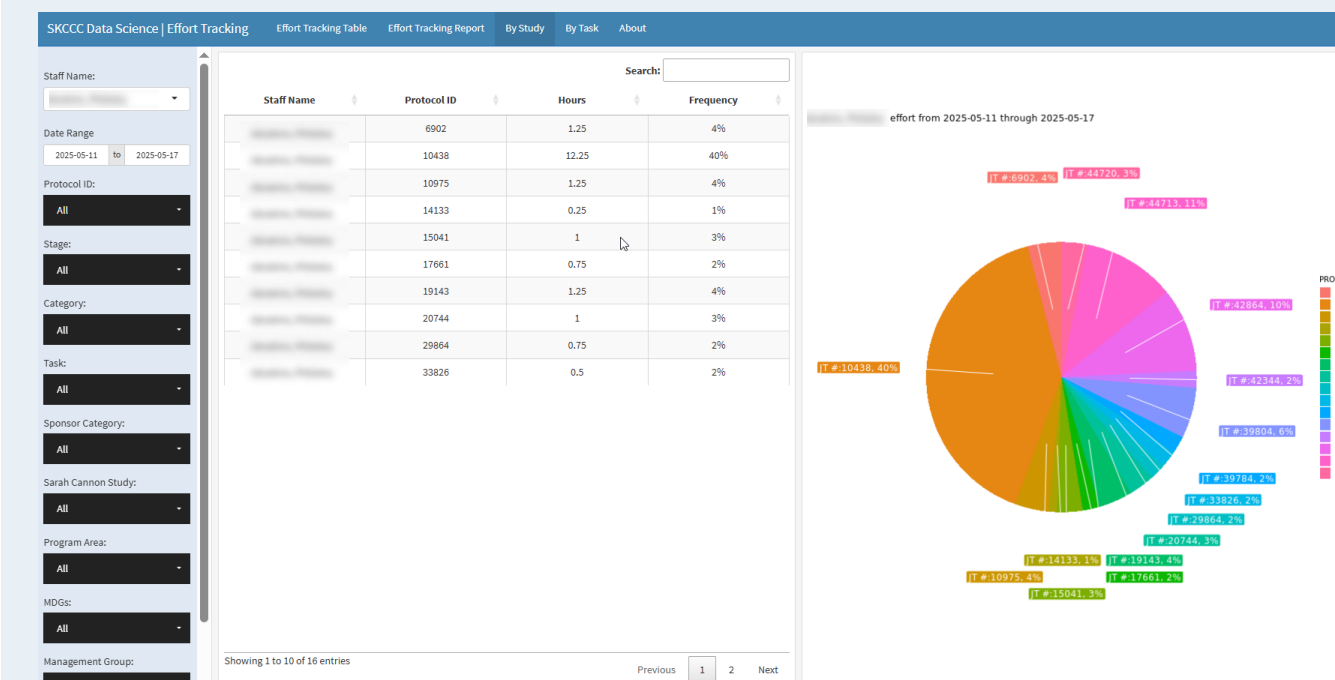
Time to Activation Pipeline

Tracks TTA in real-time for studies prior to activation.



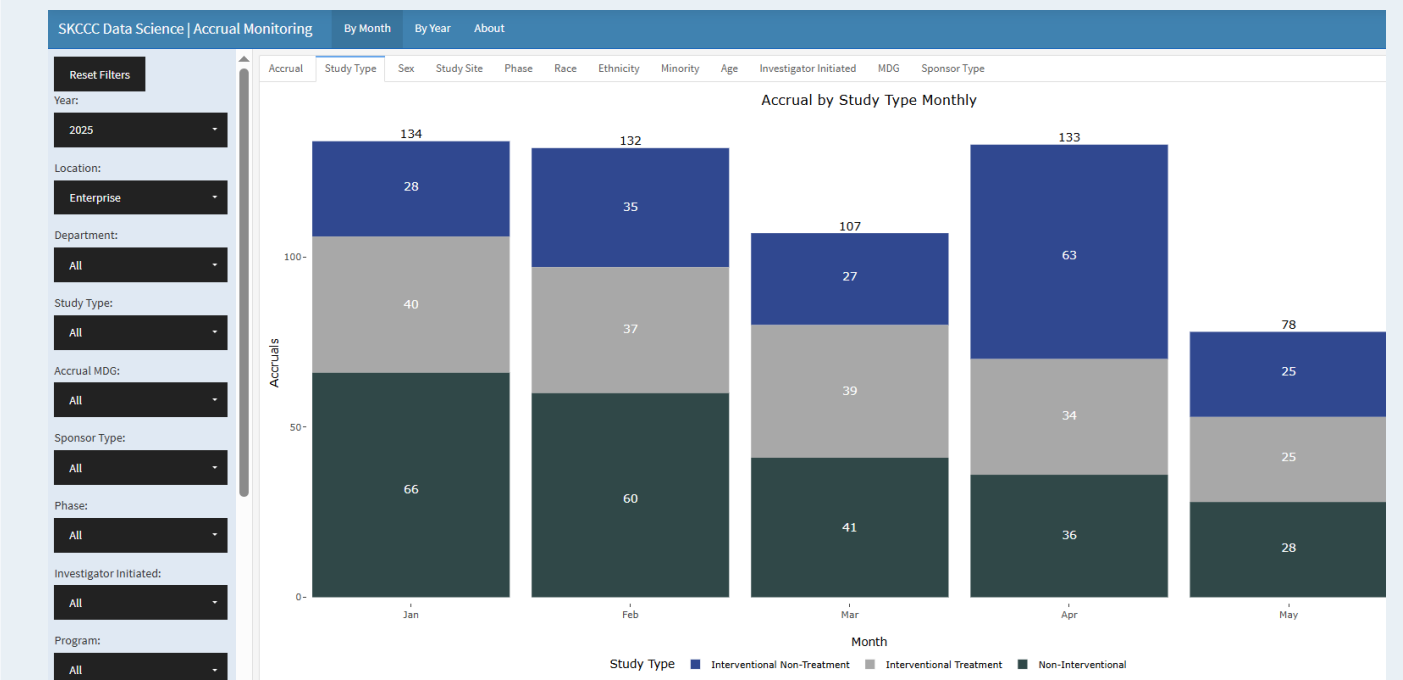
Effort Tracking

Tracks study staff efforts across tasks and protocols.



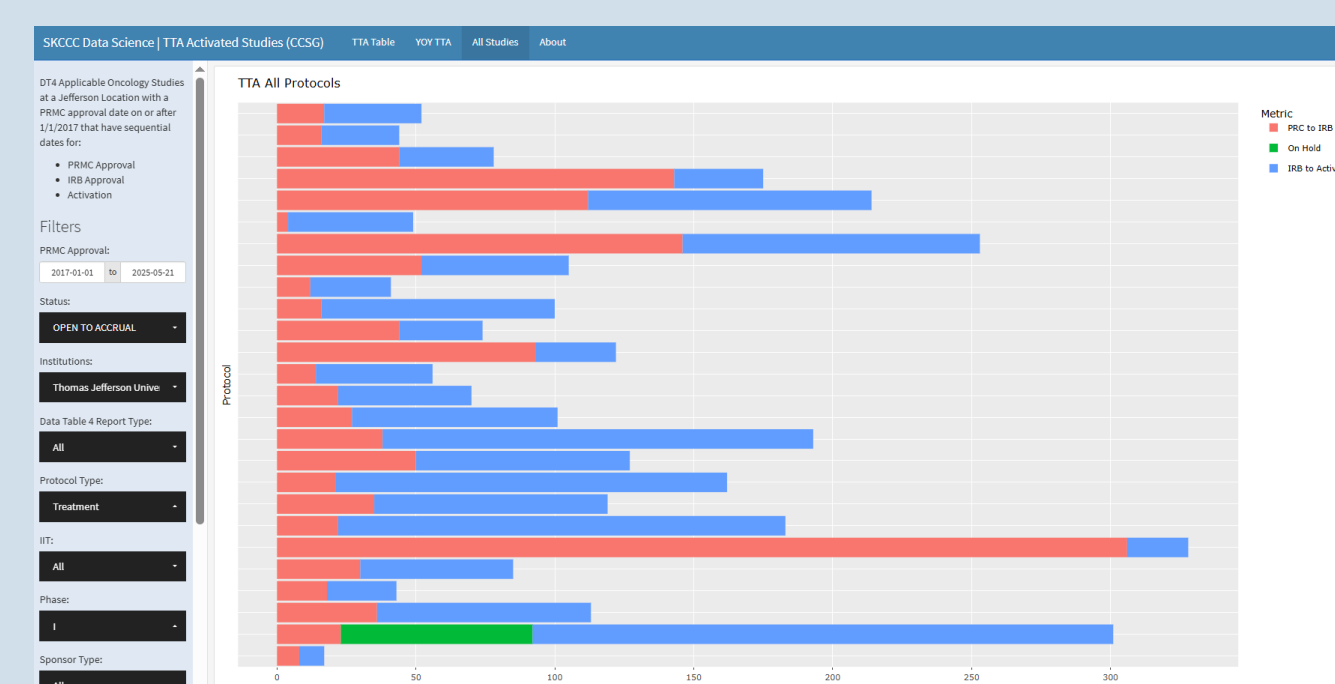
Accrual Monitoring

Tracks study accrual over time.



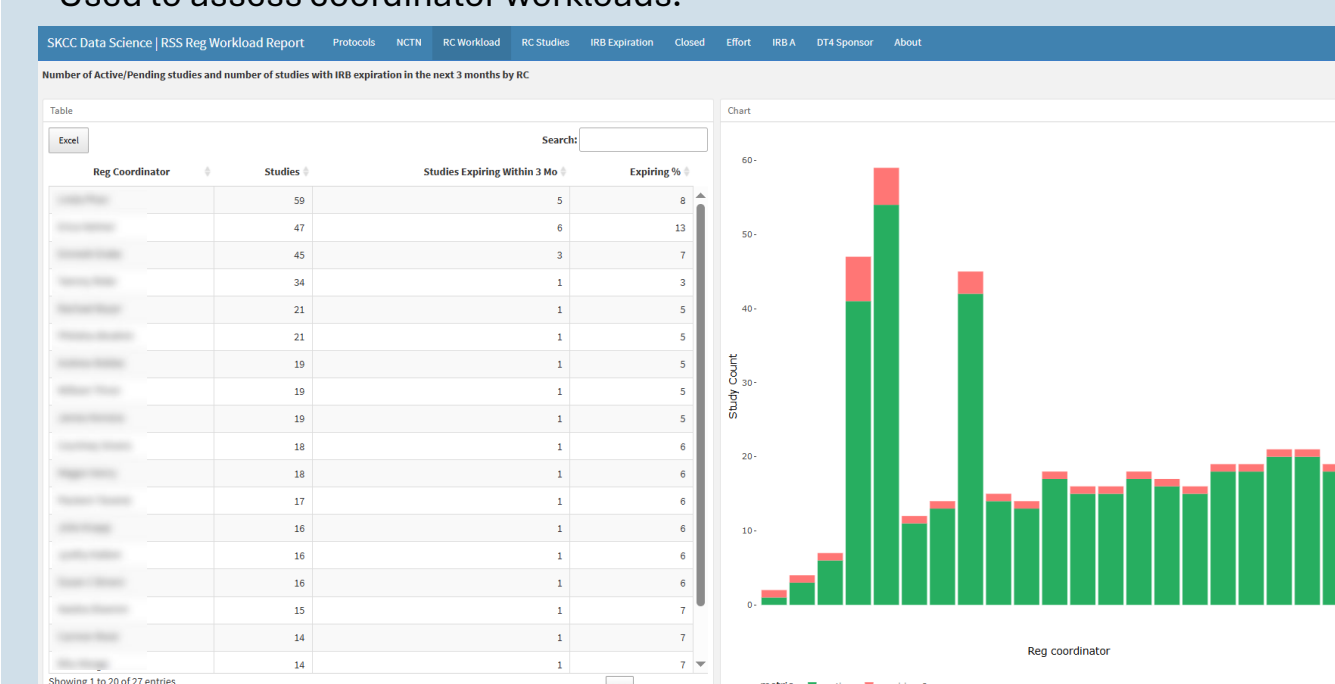
Time to Activation Summary

Monitors TTA metrics across different activated studies from PRMC to Activation.



Reg Workload

Reg workload
Used to assess coordinator workloads.



eDT4 generation

Creates an electronic Data Table 4 for specified time frame.



Conclusions & Future Directions

- **Streamlined Workflow:** A new data product request workflow has enhanced communication between CTA and CTO teams.
- **Widespread Use:** 47 applications are now accessed ~100 times weekly by 78 CTO users across five departments.
- **Improved Access:** CTO teams now receive data in formats tailored to their reporting and monitoring needs.
- **Efficiency Gains:** Routine data requests have decreased, freeing time for higher-level collaborative work.
- **Ongoing Development:** Continued collaboration will focus on building tools that enhance metric tracking and analysis.
- **Strategic Expansion:** Future efforts will prioritize center-wide products that support broader cancer center goals.