



Weill Cornell Medicine

Sandra and Edward Meyer Cancer Center

Enhancing Visualization into Study Start-Up Using a Homegrown Time to Activation Dashboard

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Outcomes

- Enabled real-time tracking of the outstanding items required for study activation.
- Differentiated delays from study team vs. systemic processes, supporting targeted improvements.
- Identified long pending protocols, allowing PRMC to remove idle studies from the queue.
- Supported post-mortem analyses of activated studies, to uncover operational inefficiencies and informing decisions related to resource planning and process optimization.
- TTA decreased from 150 to 129 days by 2025 (16% reduction), exceeding the 10% goal after the Q2 2024 dashboard release; however, gains cannot be solely attributed to the dashboard and likely reflect broader process improvements.

Lesson Learned

- Data validation took longer due to scale and mapping complexity
- Stronger communication and marketing strategies needed to boost awareness and increase utilization
- Tailored, user-centric training needed to drive adoption in future releases
- Continuous data validation was required, as some issues were not identified during testing

Future Directions

- Enhancements to visualizations and data models that improve readability and understanding
- Updated criteria for the contract's milestones
- User experience updates provided from the pilot phase
- Expand functionality to include study team tracking and workload metrics to improve resource management across both Regulatory and Finance teams

Contact

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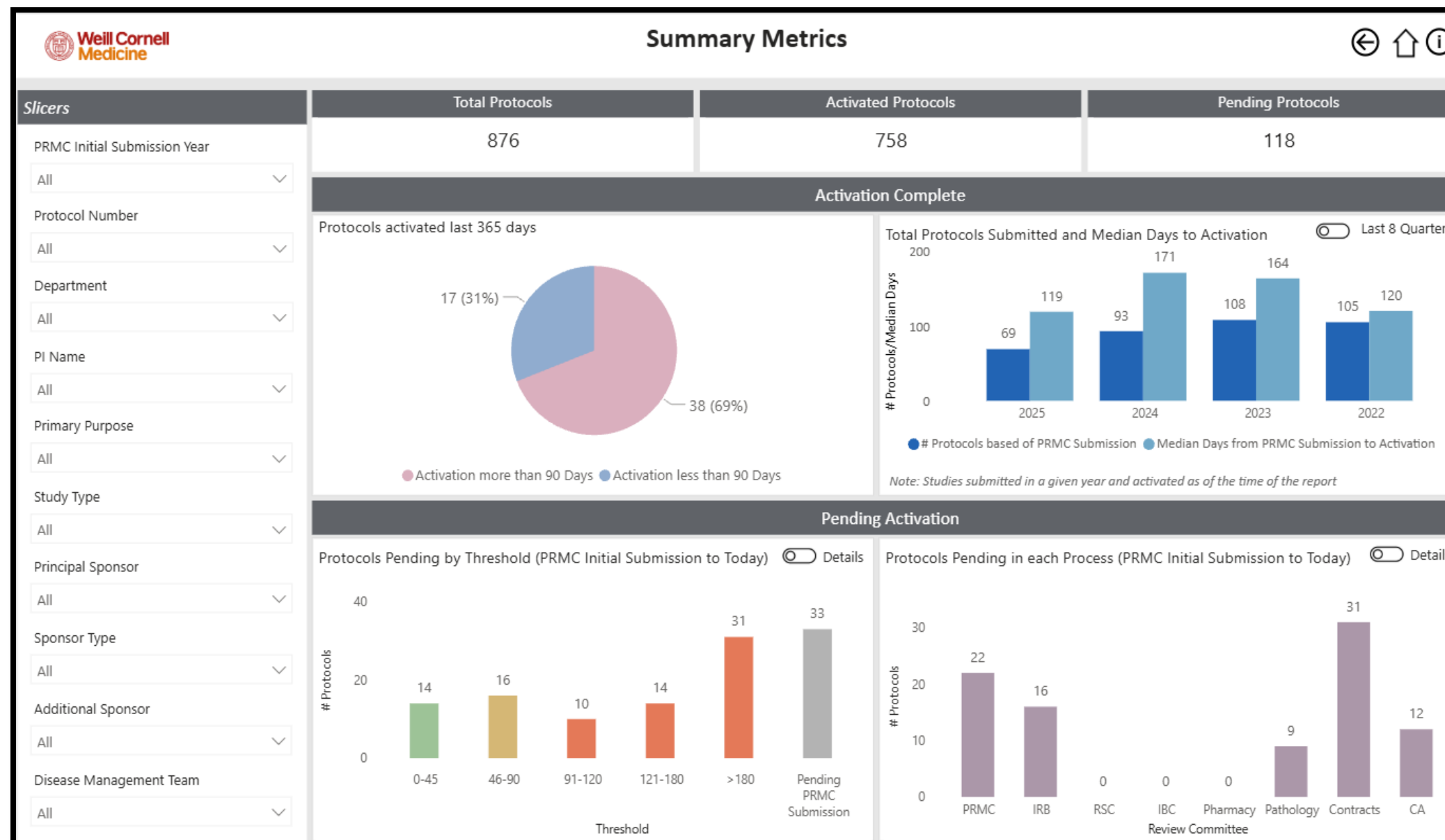


Figure 2. Summary Metrics Page displays interactive visualizations of the overall portfolio that highlights institutional KPI's. Slicers allow data to be filtered.

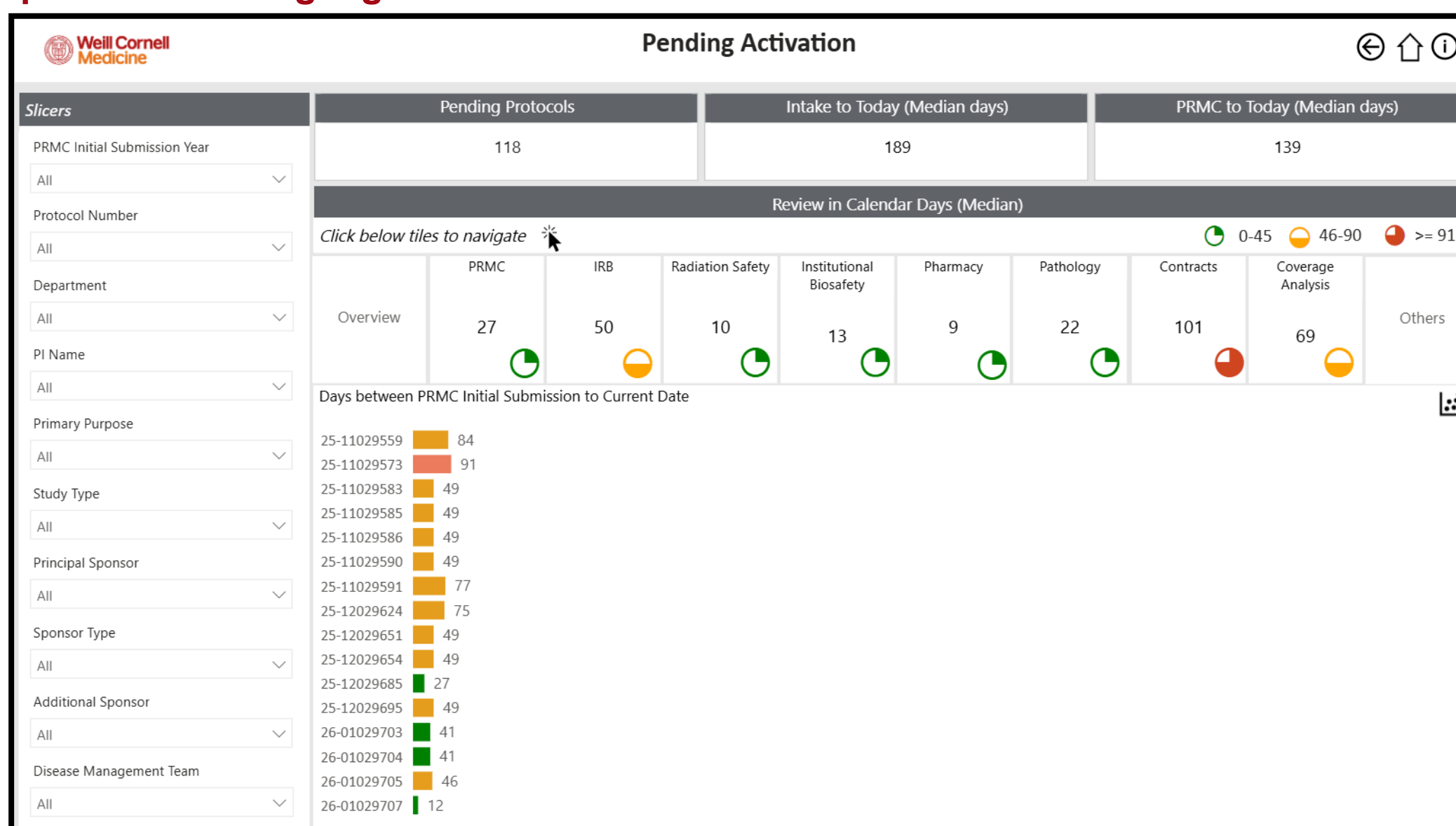


Figure 3. Pending Activation Page displays all protocols that have pending start up processes with time threshold indicators for each process

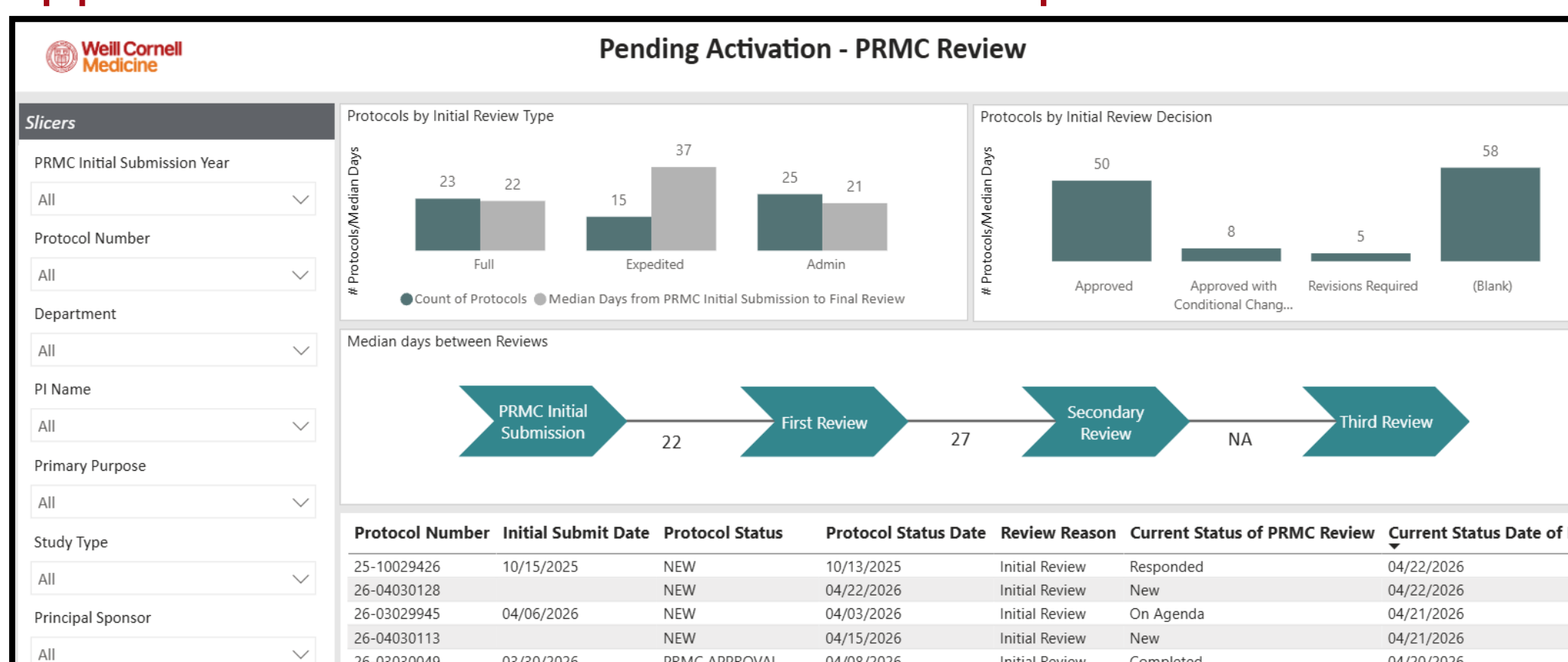


Figure 4. Pending Activation PRMC Details drill-through display PRMC review details for protocols in start-up

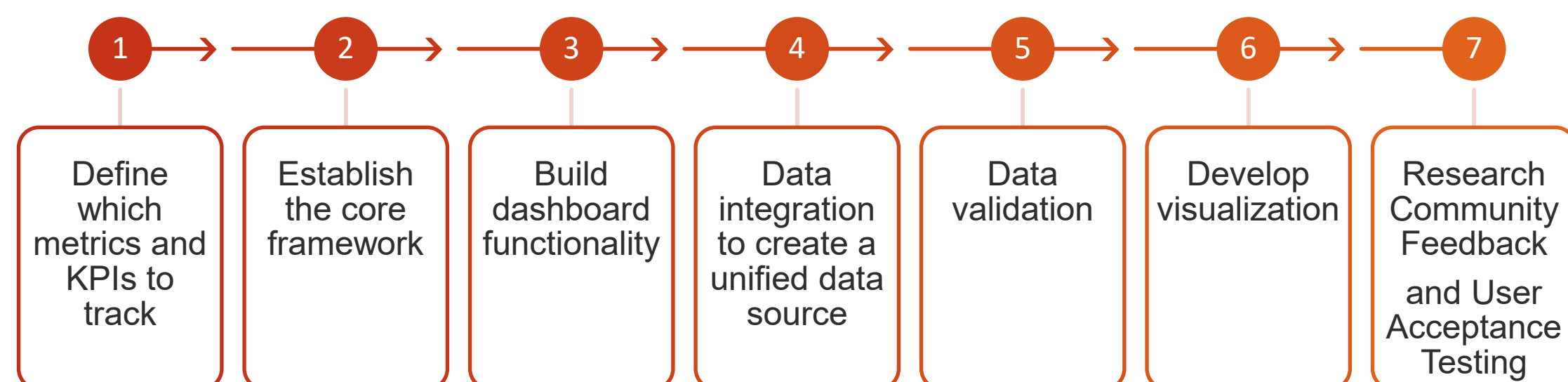
Background

- No centralized method to track clinical trial activation at MCC, limiting the ability to monitor start-up and time to activation (TTA)
- Reliance on manual data aggregation across multiple systems
- Reduced confidence in metrics due to manual tracking processes

Goals

- Increase transparency for end-to-end activation processes for key stakeholder groups
- Deliver comprehensive real-time start-up status reporting and metrics for activated studies to identify bottlenecks in the study activation pipeline
- Optimize start-up processes and activation times, with a targeted reduction in TTA by 10%

Solutions and Methods



High Level Solution Architecture



Figure 1. High Level Solution Architecture displays the IT solution that transforms transactional data from institutional systems into a dashboard hosted by PowerBI.