

PP28 Are Study Deliverables Under Your RADAR?

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Abstract

The Risk Assessment of Deliverables in Analysis and Reporting (RADAR) tool enhances early risk assessment and mitigation for analysis and reporting deliverables, aligning with submission excellence and next-generation submission strategies. By providing a standardized method for tracking progress, it facilitates rapid decision-making and minimizes manual effort and typographical errors. This is achieved using source data inputs with minimal team intervention, employing a validation tracker (also referred to as QC/Efforts tracker) to capture deliverables, effort hours, and overall study milestone dates, thus streamlining business processes. Specifically designed to support the Biometrics team, the tool simplifies decision-making processes and addresses resource gaps and delivery risks within the Biometrics scope. Developed using SAS and Power BI, it offers a user-friendly front-end for easier navigation and improved project management. The integration of these technologies enhances the efficiency and accuracy of deliverable tracking, significantly benefiting resource-intensive activities and mitigating potential risks in the project pipeline.

Introduction

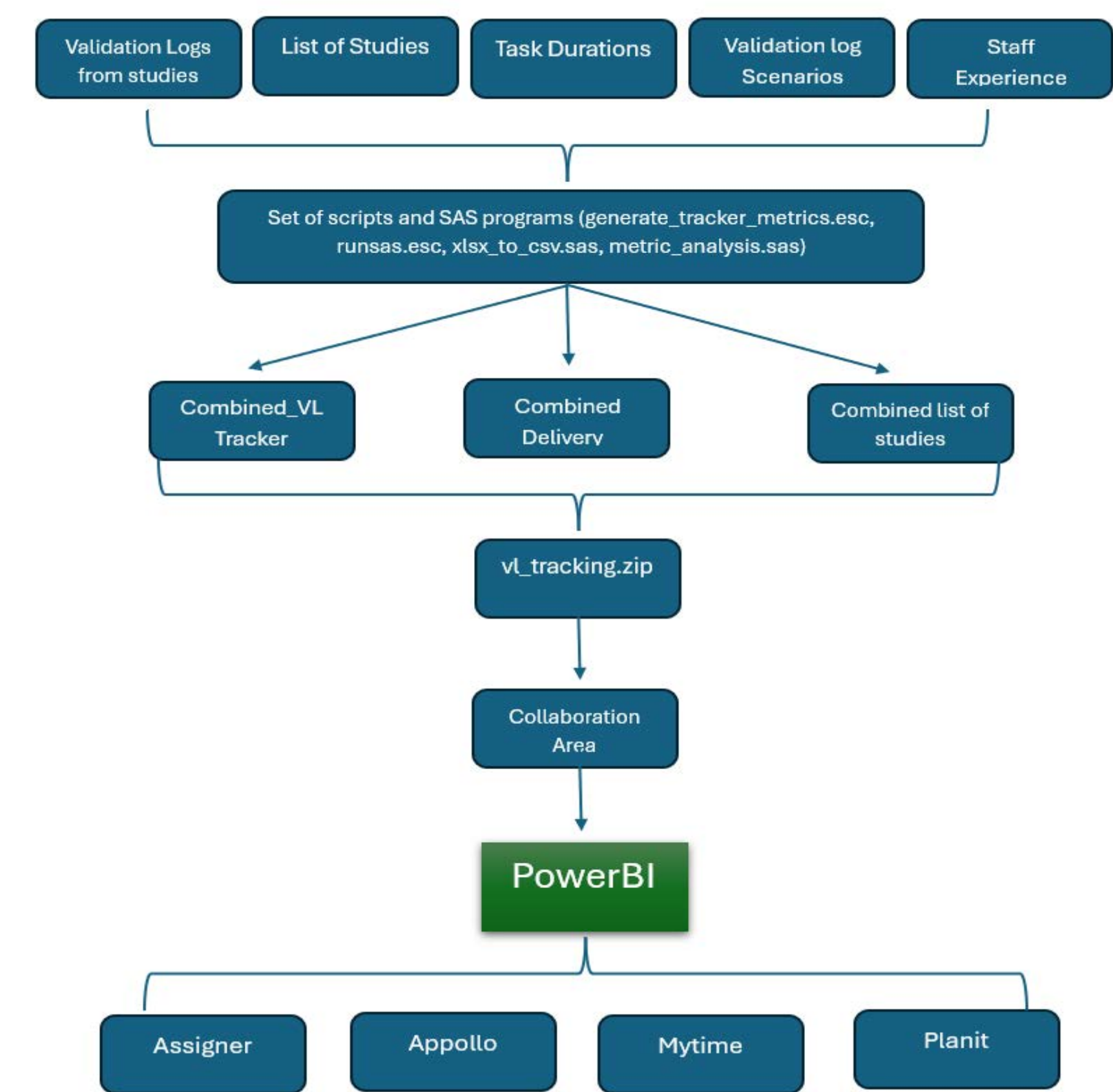
RADAR Tool was developed within AstraZeneca to allow...

- Instant visibility of progress across studies and milestones, removing the guesswork from deliverable tracking.
- Automated integration of key data sources - no more chasing updates in multiple files.
- Flagging potential delays early (earlier) so teams can prioritize, adjust plans and request support where genuinely needed.
- Improved collaboration - everyone sees the same status in real time, strengthening transparency and collective problem solving.

Data Flow

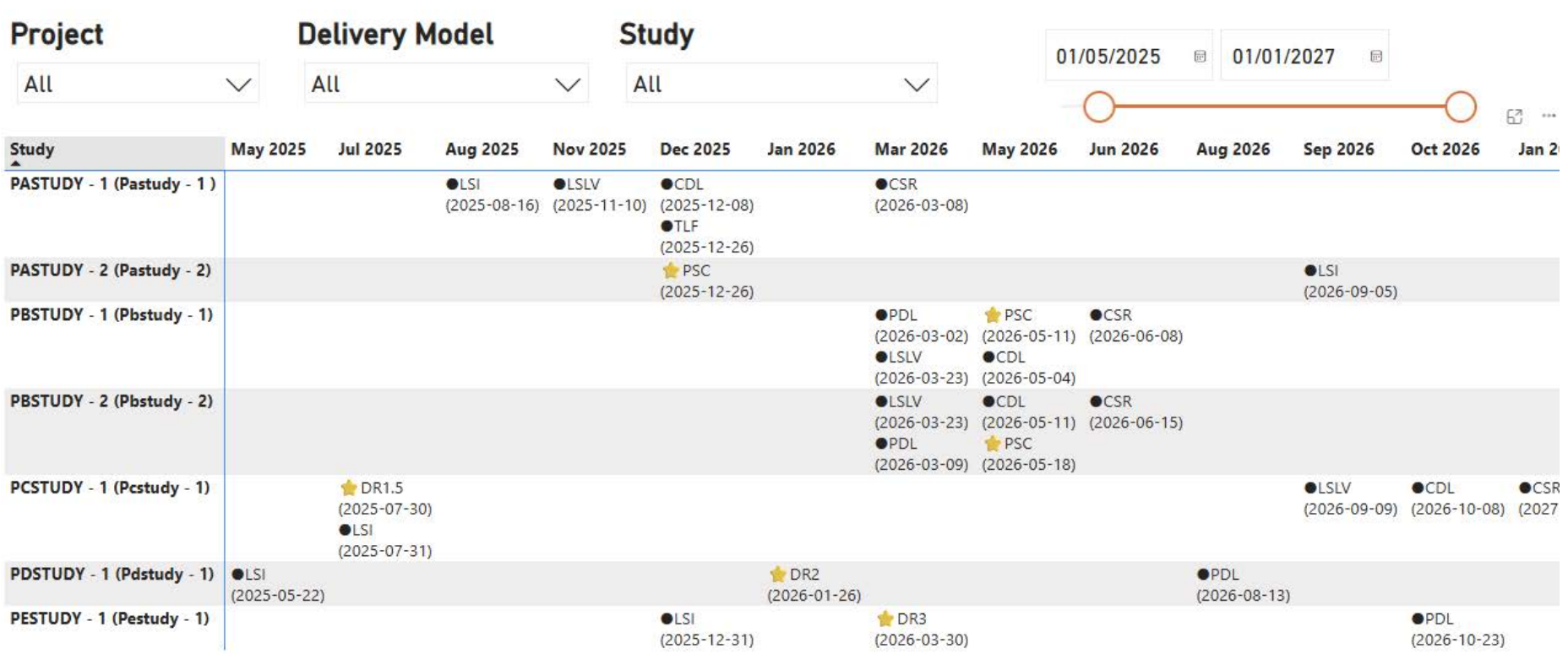
Below diagram describes how data from different sources is integrated, processed, and feed into PowerBI for visualization. Data sources Include Validation Logs, task durations derived from historical data, global and Biometrics Study milestones, actuals from timesheet data, demand predictions and planned FTEs among the others.

We have used SAS Programming for data analysis and pooling in the backend. Power-BI used for front end Graphical interface. Also, we used Groovy script for some of utility activities like pooling validation logs from on-going studies.



Project Timelines

This dashboard offers a comprehensive comparison of projects and detailed tracking of individual study milestones. They enable all members of Biometrics to view all milestones on a single dashboard in very easy and visual way. It became standing agenda point for Biometrics Team Meetings. The dashboard integrates data from multiple inhouse applications & RADAR metadata and supports effective comparison of upcoming milestones across projects & studies.



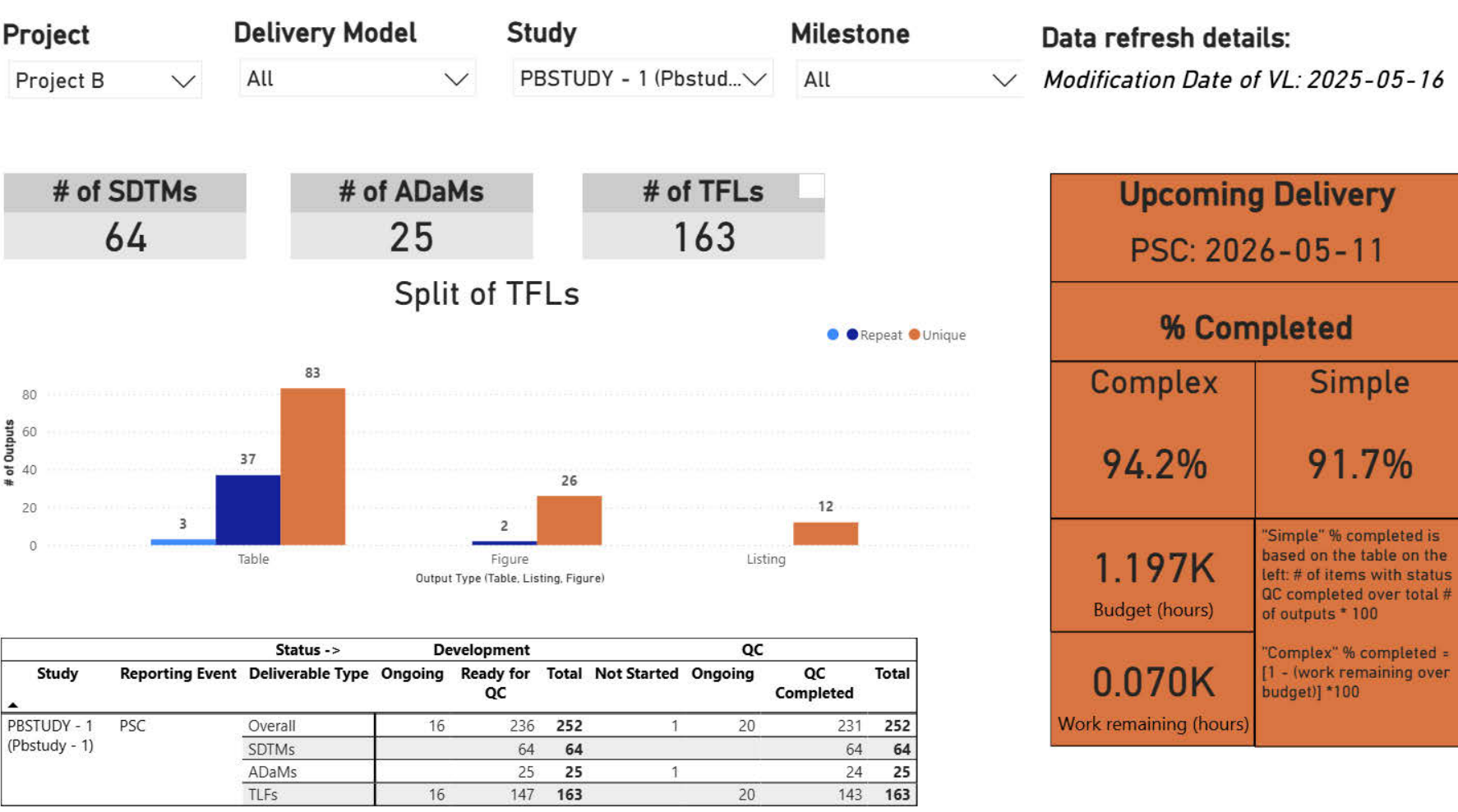
Project Risks

This dashboard enables easy identification of resourcing risks associated with upcoming milestones as well as it helps in identifying opportunities to move resource from one project to other. Timely & accurate risk identification unlocks early support - you get WHAT you need and WHEN you need – firefighting reduced.

Project	Delivery Model	Study	Data Refresh Details:
All	All	All	Validation Log extraction: 2025-07-21 Assigner extraction: 2025-07-10
Study Risks			
Study	Risk	Risk Description	Other Details
PCSTUDY - 1 (Pstudy - 1)	DR1	Delivery date of next Biometrics milestone is unknown. It is very likely that VL for upcoming RE doesn't exist any longer.	
POSTUDY - 1 (Pstudy - 1)	DR2	Delivery date of next Biometrics milestone is unknown. It is very likely that VL for upcoming RE doesn't exist any longer.	
PESTUDY - 1 (Pstudy - 1)	DR3	Delivery date of next Biometrics milestone is unknown. It is very likely that VL for upcoming RE doesn't exist any longer.	
PASTUDY - 2 (Pstudy - 2)	DR4	Delivery of PSC in 612 working days. Study may be OVER-resourced by 246.5%.	
PASTUDY - 1 (Pstudy - 1)	DR5	Delivery of PSC in 211 working days. Study may be OVER-resourced by 6278.5%.	
PASTUDY - 2 (Pstudy - 2)	DR6	Delivery of PSC in 216 working days. Study may be OVER-resourced by 781.1%.	

Study Status Dashboard

This dashboard present detailed summary of effort including two KPIs for % completion for key programming activities, including SDTM, ADaM, and TLFs. It provides a comprehensive breakdown of progress by Main and QC effort. Project leads use these dashboard reports to efficiently plan studies and allocate resources as needed. The dashboards utilize data from the validation trackers and calculate metrics using an algorithm built in SAS, allowing for reliable and timely decision-making.



Study Progress Reports

This dashboard presents monthly progress achieved - overall and by specific artifacts - SDTM, ADaM, and TLFs. It enables comparisons of monthly study progress and FTE utilization. Reports can be broken down by milestones, such as Dry-run and CSR activities, providing a clear overview of study progress. Dashboards provides handy access to progress across all projects and studies in the portfolio and helps in early detection of risks which optimizes decision making process in more efficient resource allocation.

Project	Delivery Model	Study	Milestone	Deliverable							
All	All	All	PSC	All							
Project	Study	MyTime PTE	Reporting Event	Reporting Event Date	Deliverable Type	Snapshot Date	delta [%]	Total #	% Completed	Total #	% Completed
Project B	PESTUDY - 1 (Pstudy - 1)	0.27	PSC	2026-05-11	Overall	0.0%	252	91.7%	252	91.7%	
					SDTMs	0.0%	64	100.0%	64	100.0%	
					ADaMs	0.0%	25	96.0%	25	96.0%	
					TLFs	0.0%	163	87.7%	163	87.7%	
					Overall	0.0%	252	91.7%	252	91.7%	
					SDTMs	0.0%	64	100.0%	64	100.0%	
	PESTUDY - 2 (Pstudy - 2)	0.23	PSC	2026-05-18	Overall	0.0%	163	87.7%	163	87.7%	
					SDTMs	0.0%	66	93.9%	66	93.9%	
					ADaMs	0.0%	25	88.0%	25	88.0%	
					TLFs	0.0%	149	84.6%	149	84.6%	
					Overall	0.0%	240	87.5%	240	87.5%	
					SDTMs	0.0%	66	93.9%	66	93.9%	

Conclusions

The implementation of the RADAR tool within AstraZeneca marks a significant advancement in the proactive management of analysis and reporting deliverables by automating progress & effort tracking for both in-house and outsourced studies, RADAR streamlines operational workflows for the Biometrics team and supports submission excellence. The combination of SAS-powered back end analytics and Power BI interactive dashboards ensures data accuracy, enhances visibility across projects, and facilitates timely, informed decision-making.

Ultimately, RADAR delivers greater efficiency, reduces resource gaps, and strengthens risk mitigation supporting AstraZeneca's commitment to robust, next-generation submission strategies and operational excellence in clinical research.

Acknowledgments

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